APPENDIX H: SHADOW SUPPORTING INFORMATION

APPENDIX H-1

HUB PLAN, 30 VAN NESS AVENUE, 98 FRANKLIN STREET, AND HUB HOUSING SUSTAINABILITY SHADOW STUDY



PREVISION DESIGN

FEBRUARY 11, 2019
FINAL DRAFT

SHADOW ANALYSIS REPORT FOR THE HUB PLAN, 30 VAN NESS AVENUE PROJECT, 98 FRANKLIN STREET PROJECT, AND HUB HOUSING SUSTAINABILITY DISTRICT (HSD) EIR

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I. INTRODUCTION AND OVERVIEW

In compliance with the California Environmental Quality Act (CEQA), and as part of the Environmental Impact Report (EIR) being prepared by the San Francisco Planning Department, this report details the results of an analysis conducted by PreVision Design to examine the effects on publicly accessible open spaces and outdoor recreational facilities that would be caused by the net new shadows of buildings allowed by the Hub Plan, a proposed rezoning of an approximately 84-acre area of San Francisco within the Downtown/Civic Center, South of Market (SoMa), Western Addition, and Mission neighborhoods. The rezoning would allow for height increases at 18 sites. As part of the environmental review of the Hub Plan, two individual development projects, located at 30 Van Ness Avenue and 98 Franklin Street within the Hub Plan area, are seeking project-level CEQA clearance under the EIR.

The shadow analysis includes review of shadow conditions under six separate scenarios:

Existing Scenario: Present-day shadow conditions (existing buildings and buildings currently under construction).

The Hub Plan Scenario: Shadow conditions assuming existing conditions plus the addition of the Hub Plan building height increases (inclusive of the two projects seeking project-level CEQA clearance).

30 Van Ness Avenue Project Scenario: Shadow conditions assuming existing conditions plus the addition of the proposed 30 Van Ness Avenue Project, excluding other Hub Plan sites.

98 Franklin Street Project Scenario: Shadow conditions assuming existing conditions plus the addition of the proposed 98 Franklin Street Project, excluding other Hub Plan sites.

Cumulative Scenario 1: Shadow conditions assuming existing conditions, the addition of the Hub Plan height increases (inclusive of the two projects seeking project-level CEQA clearance), and other proposed projects near affected open spaces currently under review by the San Francisco Planning Department, including a 590-foot-tall single-tower project variant at 10 South Van Ness Avenue.

Cumulative Scenario 2: Identical to Cumulative Scenario 1 but including a 400-foot-tall double-tower proposed project at 10 South Van Ness Avenue instead of the 590-foot-tall single-tower project.

The report includes a discussion of the Hub Plan, the applicable regulatory framework, evaluation criteria, and methodology used by this analysis. Report findings are comprised of quantitative shadow calculations, graphical representations of shadow, and discussion of the qualitative shadow effects on affected publicly accessible open spaces.

This report does not present opinions or conclusions about whether the shadow from the Hub Plan as a whole, and/or the two development projects individually, would be considered impacts under CEQA. Such determinations must be made by the San Francisco Planning Department and the Planning Commission.

The project sponsor for the Hub Plan is the San Francisco Planning Department. The project sponsor for the 30 Van Ness Avenue project is 30 Van Ness Development LLC, and the project sponsors for the 98 Franklin Street project are the French American International School (FAIS) and Related California. ■

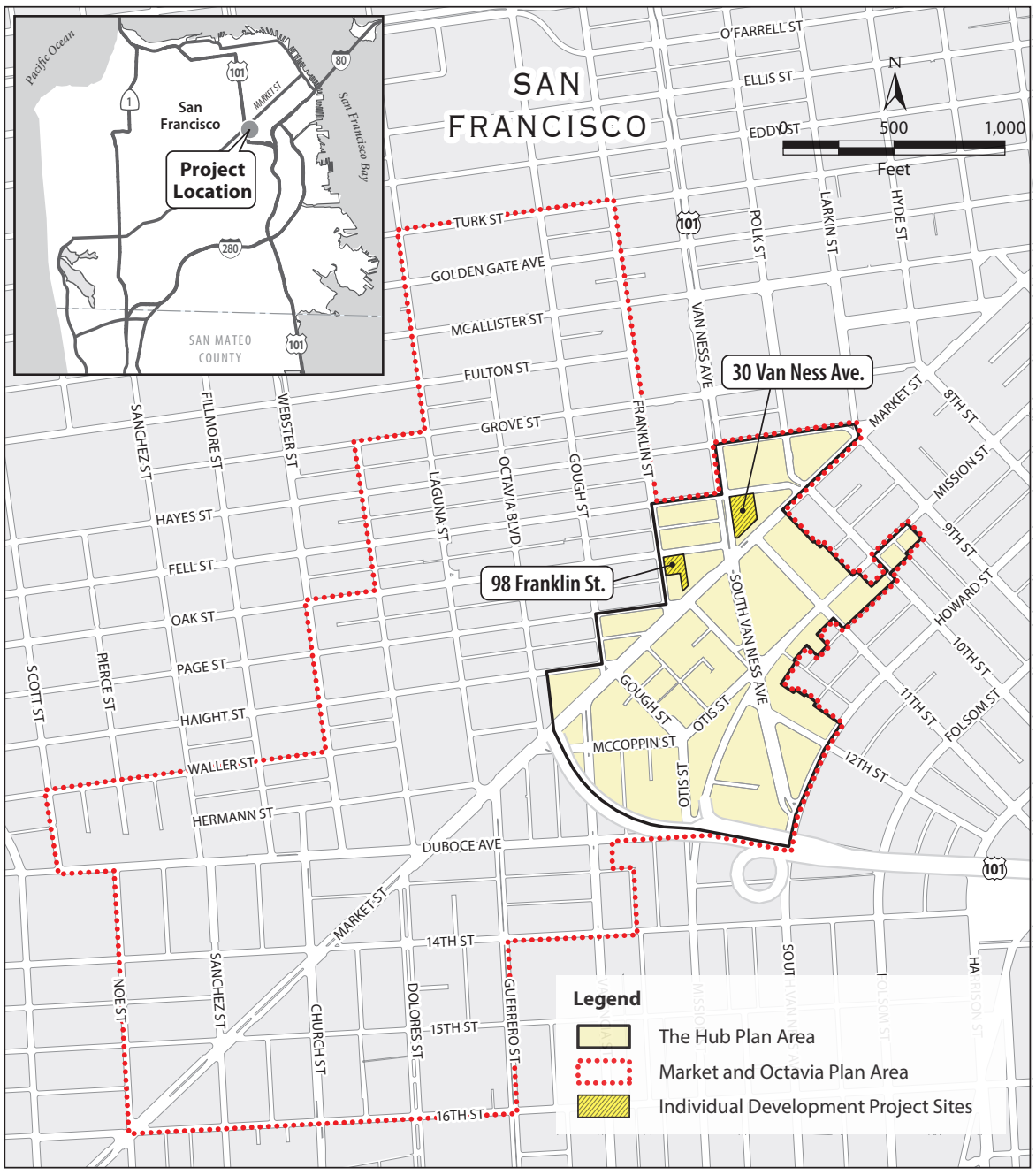


FIGURE 1: The Hub Plan Project Area

II. PROJECT DESCRIPTION

The Hub Plan

The Hub Plan Area, shown in Figure 1, seeks to encourage housing, especially affordable housing; create safer and more walkable streets as well as welcoming and active public spaces; increase transportation options; and create a complete neighborhood with a range of uses and services to meet neighborhood needs. The Hub Plan would pursue this vision through changes to current zoning controls applicable to the area, to better meet plan objectives. This would include changes to height and bulk districts for select parcels to allow more housing, including more affordable housing. Modifications to zoning controls would also allow

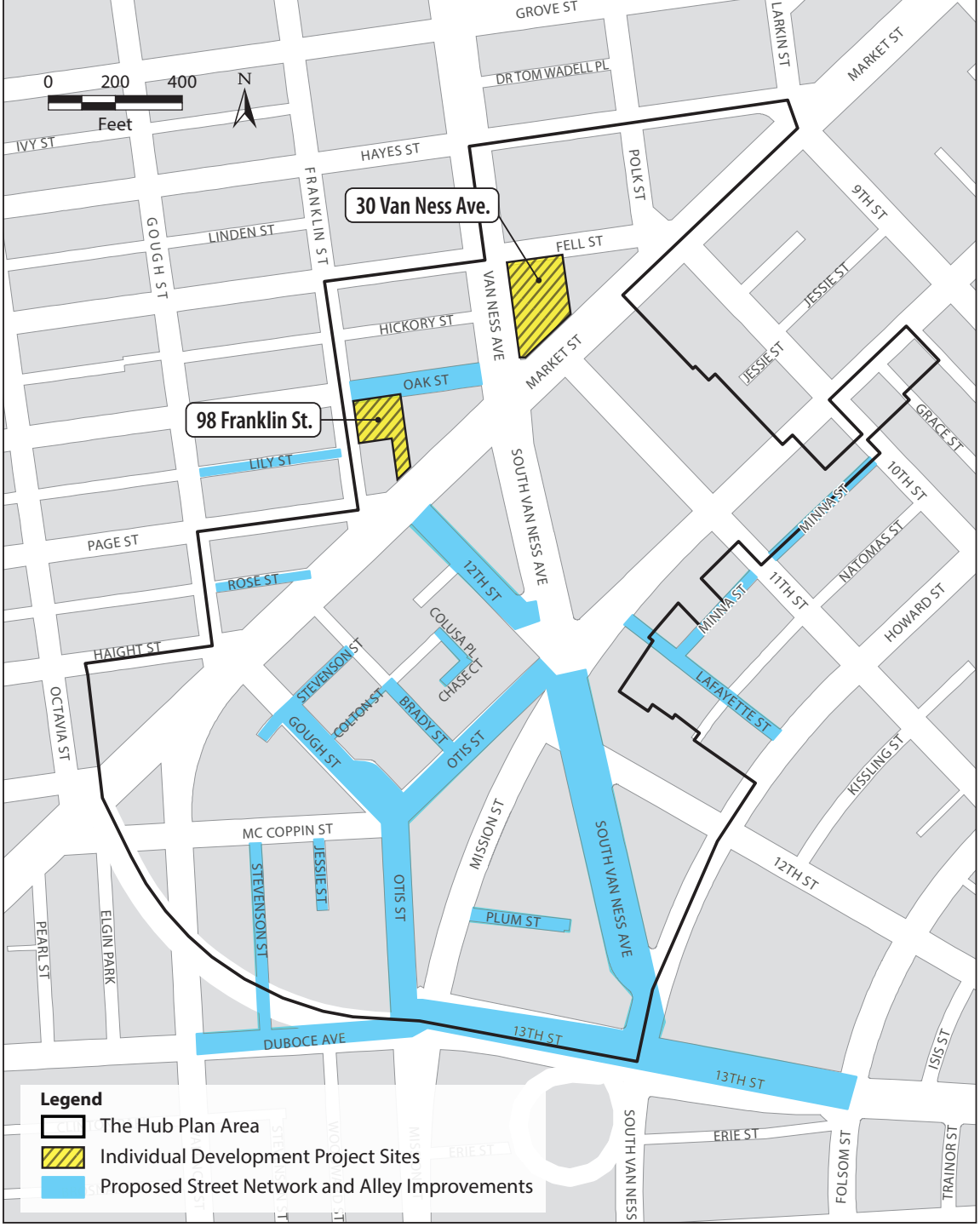


FIGURE 2: The Hub Plan Detail

more flexibility for development of nonresidential uses, specifically office, institutional, art, and public uses. The plan also calls for public realm improvements to streets and alleys within and adjacent to the Hub Plan area. Requirements for micro retail would encourage a mix of retail sizes and uses.

As detailed by Figure 2, the Hub Plan is bounded by Haight Street just east of its intersection with Octavia Boulevard to Gough Street, Gough Street from Haight Street to Page Street, Page Street from Gough Street to Franklin Street, Franklin Street from Page Street to Fell Street, Fell Street from Franklin Street to Van Ness Avenue, Van Ness Avenue from Fell Street to Hayes Street, Hayes Street from Van Ness Avenue to the intersection of Larkin Street, Ninth Street and Market Street, Market Street from Ninth Street to

approximately mid-block between 10th and 11th streets, mid-block from between 10th Street and 11th Street from Market Street to Mission Street, Mission Street from 10th Street to Washburn Street, a portion of Washburn Street between Mission Street and Howard Street and then to the intersection of 10th Street and Minna Street, Minna Street from 10th Street to just past Lafayette Street (with certain lots excluded), mid-block between Lafayette Street and 12th Street to Howard Street, Howard Street between just north of 12th Street to 13th Street, and 13th Street to Haight Street just east of the intersection of Octavia Boulevard and Haight Street In addition to the streets in the Hub Plan area, the project includes adjacent streets such as Lily Street between Gough Street and Franklin Street, Minna Street between 10th Street and Lafayette Street, and Duboce Avenue between Valencia Street and Mission Street.

While many the proposed elements of the Hub Plan (such as types of uses allowed, etc.) would generate no change in existing shadow conditions, increasing allowable building heights would affect the size, location, and duration of shadow cast by buildings on publicly accessible open spaces in the vicinity. Table 1 shows the changes to building height limits proposed under the Hub Plan.

SITE ADDRESS	CURRENT ZONING HEIGHT LIMIT (FEET)	EXISTING BUILDING HEIGHTS (FEET)[a]	PROPOSED HUB PLAN HEIGHT LIMIT (FEET)
30 Van Ness Avenue[b]	400	91	520
1500-1540 Market Street (One Oak)[c]	400	40	450
98 Franklin Street[b,d,,e]	85	0	365[c]
1 South Van Ness Avenue	400	157	650
10 South Van Ness Avenue[f]	400	55	590
30 Otis Street[g]	250	42	320
42 Otis Street	50	45	65
50 Otis Street	50	46	65
99 South Van Ness Avenue	120	69	250
33 Gough Street	85	43	250
110 12th Street	85	34	120
180 12th Street	85	30	120
194 12th Street	85	34	120
154 South Van Ness Avenue	85	42	120
160 South Van Ness Avenue	85	37	120
170 South Van Ness Avenue	85	38	120
1695 Mission Street	85	39	120
170 Otis Street	85/125	115	45/85/125

[a] Building Footprints June 2011 (cleaned 2015-2016) layer, ArcGIS retrieved 11/26/2018

[b] Part of the Hub Plan, but additionally analyzed at a project-specific level

[c] 1500-1540 Market Street includes the parcels located at Assessor's Block 0836/Lots 001 - 005.

[d] The Draft EIR analyzes a height limit of 365 feet for 98 Franklin Street, as proposed by the project sponsor, whereas the draft Hub Plan proposes a height limit of 320 feet on this site.

[e] The 98 Franklin Street Project also includes the parcels located at Assessor's Block 0836/Lots 008, 009, and 013.

[f] The 10 South Van Ness Avenue project also includes the parcel located at 80 South Van Ness (Assessor's Block 3506/Lot 003A).

[g] The 30 Otis Street project also includes parcels located at 14-18 Otis Street and 90-98 12th Street (Assessor's Block 3505/Lots 012,013).

TABLE 1: Proposed Hub Plan Height Changes

Individual Projects

Two individual development projects included within the Hub Plan area are separately evaluated by this analysis on a project-specific level. The 30 Van Ness Avenue project site encompasses an approximately 38,100-square-foot lot on Assessor's Block 0835/ Lot 004. The 30 Van Ness Avenue has frontages on Fell Street to the north, Van Ness Avenue to the west, and Market Street to the shout. The site is fully developed with an approximately 75-foot-tall, five-story building that includes a variety of office and retail uses, City government offices, an optometrist office, a café, and a retail and pharmacy use doing business as Walgreens. The proposed project at 30 Van Ness Avenue includes retention of portions of the existing five-story building and construction of a 47-story building with ground-floor commercial space, up to 11 floors of office space, and 34 floors of residential space. The project would result in between 350 to 610 residential units. The project sponsor for the 30 Van Ness Avenue Project is 30 Van Ness Development, LLC.

The 98 Franklin Street project site encompasses an approximately 23,750-square-foot area on Assessor's Block 0836/Lots 008, 009, and 013. The project site at 98 Franklin Street is currently a surface vehicular parking lot with approximately100 off-street vehicular parking spaces. The 98 Franklin Street site has frontages on Oak Street to the north, Franklin Street to the west, and Market Street to the south. The proposed project at 98 Franklin Street includes demolition of the existing surface parking lot and construction of a 31-story residential tower above a five-story podium that would serve as the new high school facilities for grades 9-12 of the French American International School. The development at 98 Franklin Street would accommodate the approximately 380 existing students who would be relocated from the French American International School's 150 Oak Street site; when completed, the development would accommodate up to 440 students at the 98 Franklin Street project site. The proposed project at 98 Franklin Street would have a height of up to 365 feet and the L-shaped building would have frontages along Franklin, Oak, and Market streets. Additionally, the 98 Franklin Street project proposes certain streetscape improvements to Lily Street and Oak Street. The project sponsor for the 98 Franklin Street Project is a partnership between Related California and the FAIS. ■

III. REGULATORY FRAMEWORK AND SIGNIFICANCE CRITERIA

There are no specific federal or state regulations relating to solar access (sunlight, not photo-voltaic/solar panel) or shadow effects, but there are several local code provisions, policies, and procedures that regulate shadow, as detailed below.

San Francisco General Plan

The Recreation and Open Space Element of the City of San Francisco General Plan (1996) includes the following policy applicable to potential solar access or shading impacts of the Hub Plan and the two individual projects:

> *Policy 2.3 Solar access to public open space should be protected.*

The policy promotes protecting solar access and avoiding shade to maintain the usability of public open space, and states that the requirements of San Francisco Planning Code Section 295 (discussed in detail below) apply to the review of projects that could shade San Francisco Recreation and Park Department (RPD) property. Policy 2.3 further states that:

> *A number of other open spaces designated in this Element or elsewhere in the General Plan are under the jurisdiction of other public agencies, or are privately owned and therefore not protected by the Planning Code amendments. These spaces should be given other forms of protection to assure they are not shaded during the hours of their most intensive use. Any new shading should be remedied to the extent feasible by expanding opportunities for public assembly and recreation in indoor and outdoor settings.*

San Francisco Planning Code

Planning Code Section 295, adopted in 1984 pursuant to voter approval of Proposition K, The Sunlight Ordinance, prohibits the issuance of building permits for structures over 40 feet in height that would cast shade or shadow on property under the jurisdiction of, or designated to be acquired by, the Recreation and Park Commission between one hour after sunrise to one hour before sunset at any time of year, unless the Planning Commission determines that the shade or shadow would have an insignificant adverse impact on the use of such property. Planning Code Section 295 provides that:

> *The City Planning Commission shall conduct a hearing and shall disapprove the issuance of any building permit governed by the provisions of this Section if it finds that the proposed project will have any adverse impact on the use of the property under the jurisdiction of, or designated for acquisition by, the Recreation and Park Commission because of the shading or shadowing that it will cause, unless it is determined that the impact would be insignificant. The City Planning Commission shall not make the determination required by the*

provisions of this Subsection until the general manager of the Recreation and Park Department in consultation with the Recreation and Park Commission has had an opportunity to review and comment to the City Planning Commission upon the proposed project.

In 1989, a memorandum was adopted by the San Francisco Planning Commission and the San Francisco Recreation and Parks Commission that established recommended absolute cumulative quantitative limits for net new shadow on 14 specific public open spaces: Table 2 shows these limits by public open space.

PUBLIC OPEN SPACE NAME	ABSOLUTE CUMULATIVE LIMIT
Maritime Plaza	0%
Embarcadero Plaza I (north)	0%
Embarcadero Plaza II (south)	0.1%
Portsmouth Square	0%
St. Mary's Square	0%
Boedekker Park	0%
Chinese Playground (Willie "Woo Woo" Wong Playground)	0%
Sgt. MacAulley Park	0%
Huntington Park	0%
South of Market Park (Gene Friend Recreation Center)	0%
Union Square	0.1%
Washington Square	0%
North Beach Playground (Joe DiMaggio Playground)	0%
Civic Center Plaza	1.0%

TABLE 2: Section 295 shadow limits for named parks

The 1989 Memorandum also established qualitative guidelines for the location and timing of net new shadow for open spaces with an allowed shadow "budget". For other properties subject to Section 295 but not named above, the memorandum provided partial guidance on potentially permissible increases in shadow based on the area of the open space and the amount of existing shadow present as shown by Table 3.

PARK SIZE	CURRENT ANNUAL SHADOW PERCENTAGE	POTENTIALLY PERMISSIBLE SHADOW INCREASE
Parks smaller than 2 acres	20% or less	no standard established
	20% or more	0.0% (no increase)
Parks larger than 2 acres	20% or less	1.0%
	20%-40%	0.1%
	40% or more	no standard established

TABLE 3: Potentially permissible shadow increases for other RPD parks

Planning Code Sections 146 and 147, both added in 1985, establish additional design guidelines for buildings in C-3 Downtown Commercial, South of Market Mixed Use, and Eastern Neighborhoods Mixed Use Districts for the purpose of limiting shadow on public sidewalks, public plazas, and other publicly accessible spaces other than those protected under Section 295.

Significance Criteria for Environmental Review under CEQA

Aside from the focused provisions of Sections 146, 147, and 295 of the Planning Code, the San Francisco Planning Department has not formally adopted specific significance criteria to be used in evaluating shadow impacts under CEQA. However, it is generally considered that implementation of a project would have significant impacts if it were to create net new shadow in a manner that substantially affects existing or future planned outdoor recreational facilities or other public areas, or significantly detracts from the usability of other existing publicly accessible open space. ■

IV. ANALYSIS METHODOLOGY AND SCOPE OF REVIEW

Technical Standards

While there are no broadly established technical standards or methodologies for evaluation of shadow effects under CEQA, the CEQA analysis for development projects in San Francisco typically relies on the technical methodology developed to demonstrate compliance with Planning Code Section 295 as described in (1) the February 3, 1989 memorandum titled "Proposition K – The Sunlight Ordinance," and (2) the July 2014 memorandum titled "Shadow Analysis Procedures and Scope Requirements." The Recreation and Park Commission and the Planning Commission adopted criteria in 1987 and 1989 for the review of shade, solar access, and shadow effects. According to those adopted criteria:

> *Shadow is quantitatively measured by multiplying the area of the shadow by the amount of time the shadow is present on the open space, in units called square foot-hours (sfh). Determining the annual net new shadow load generated by a project begins with a calculation of the number of square foot-hours that would theoretically fall on a qualifying publicly accessible open space each day from an hour after sunrise to an hour before sunset summed over the course of a year, ignoring all shadow from any source. This total is referred to as the Theoretical Annual Available Sunlight (TAAS) for that park. The second step is the calculation of the baseline (or current) shading conditions, which factors in the square foot-hours of shadow cast by existing buildings and other structures on the open*

space. Lastly, the shadow effects of the project are calculated, with the difference between the baseline shadow condition and project shadow condition considered being net new project shadow. The amount of shadow is defined as the shadow in square foot-hours cast by the project divided by the TAAS, expressed as a percentage.

Further, in addition to quantitative criteria, the adopted criteria set forth qualitative criteria for evaluation of shadow. Those criteria for assessing net new shadow are based on existing shadow profiles, important times of day, important seasons in the year, location of the net new shadow, size, and duration of net new shadows and the public good served by buildings casting net new shadow.

For this report, the San Francisco Planning Department has directed PreVision Design to use most of the standards for review of shadow under Section 295, as described in the following sections.

Quantitative Methodology

To perform quantitative shadow calculations, PreVision Design generated a 3D virtual massing model of the urban context inclusive of all existing and proposed buildings/ sites (detailed further under Modeling Assumptions below). Within one hour after sunrise through one hour before sunset (hereafter "the daily analysis period"), PreVision Design performed snapshot analyses at 15-minute intervals, repeating this process every seven days between the Summer Solstice (June 21) and Winter Solstice (December 20), with interim times and dates extrapolated to approximate shadow conditions on other days and times. This half-year period (between the Summer and Winter Solstices) is referred to by the San Francisco Planning Department as a "solar year." Because the path of the sun is mirrored over the second half of the year, analysis of this half-year period allows for reasonable extrapolation to arrive at a full-year estimated shading calculation[1].

In addition to the quantitative analysis of existing shadow conditions and the net new shadow that would be generated by the Hub Plan (including the associated individual projects at 30 Van Ness Avenue and 98 Franklin Street), this report includes calculations to capture the combined shadow effects that would be generated

1 Annual percentages of existing shadow as listed in this report may vary from what has been reported within past shadow analysis reports on prior projects. In 2016 issued updated technical direction regarding solar angles and in 2017 the geographic boundaries of many parks were revised and re-issued by SF Planning, both which altered the calculated existing shadow loads of many parks. Additionally, due to the large number of data sample, rounding, extrapolation and unavoidable minor variations that occur in the software simulation process, even under identical model conditions minor discrepancies (typically under 0.05%) in calculated values may occur.

by adding reasonably foreseeable future projects[2] that would cast shadow on the same public open spaces affected by shadow from the Hub Plan (including the two individual development projects). These calculations are referred to as the "Cumulative Scenarios." Because the environmental review process currently underway for the proposed development at 10 South Van Ness Avenue evaluates both a proposed project and a project variant, this report analyzes two separate cumulative scenarios reflecting these two proposals for development at 10 South Van Ness Avenue.

Graphical Methodology

To provide a spatial and contextual understanding of the location, size, and features affected by net new shadow, PreVision Design has prepared the following shadow graphics to accompany the quantitative analysis:

- **Net new shadow Fans.** Graphic showing the full extent of the areas receiving net new shadow at ANY point throughout the year, factoring out the presence of shadow cast by existing buildings. Three shadow fans have been prepared as part of this analysis, depicting the Hub Plan Scenario, the 30 Van Ness Avenue Project, and the 98 Franklin Street Project.

- **Sweep Shadow diagrams.** Graphics showing "snapshot" shading conditions at hourly intervals over the entire affected area for the Hub Plan, 30 Van Ness Avenue, and the 98 Franklin Street scenarios. Graphics reflect shadow conditions within the daily analysis period on the Summer Solstice (June 21), the approximate equinoxes (March 22/September 20), and the Winter Solstice (December 20) and the date with the greatest quantitative net new shadow (if different from above). These graphics appear as Exhibits B-D.

- **Detail Shadow diagrams.** For parks and open spaces subject to Section 295, graphics are produced showing "snapshot" shading conditions at hourly intervals within the daily analysis period on the Summer Solstice (June 21), the approximate equinoxes (March 22/September 20), and the Winter Solstice (December 20) and the date with the greatest quantitative net new shadow (if different from above). At times when the project is casting net new shadow on an open space, additional graphics are provided at 15-minute intervals. These graphics appear as Exhibit E1-E12.

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2 Projects that are currently in some stage of the planning or permitting process but have not yet been approved or have been approved but are not yet under construction.

Qualitative Methodology

To gain a better understanding of how net new shadow may or may not affect existing patterns of use in the affected the open spaces that are subject to Section 295, PreVision Design conducted3 six 30-minute site visits to each open space to observe the nature and intensity of uses. Two site visits were performed in the morning, two at midday, and two late in the day, with one visit from each pair on a weekday and one on a weekend.

The qualitative effects of net new shadow on the affected open spaces are discussed based on the size, timing, and duration of net new shadow and how such shadow might affect observed existing patterns of use.

Modeling Assumptions

Existing Conditions Model:
PreVision Design's existing conditions model reflects an accurate 3D representation of the affected area generated by Light Intensity Distance and Ranging [or Laser Imaging Detection and Ranging] (LIDAR) modeling of both the terrain of San Francisco and all existing buildings.4 Locations, boundaries, and sizes of the affected open spaces are based on GIS data provided by the San Francisco Planning Department and/or RPD.

The Hub Plan Model:
Building forms used for the 17 Hub Plan sites (i.e., the 17 sites where the Hub Plan would change building height limits, as shown in Table 1) have been determined based on the level of information known about potential developments. The approach has been divided into three groups:

Group A: Projects identified for upzoning and seeking individual project-level environmental clearance through the Hub EIR (two sites):

1. 30 Van Ness Avenue
2. 98 Franklin Street

For the two individual projects seeking project-level environmental clearance through the Hub EIR, the buildings have been modeled based on the current plans on file for those projects.

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3 In consultation with San Francisco Planning, use observation reporting for some parks and open spaces from prior shadow studies performed by PreVision Design has been re-used in cases where the nature of use has been substantially unchanged since the time when the use observation visits were performed.

4 Recent buildings (built after 2010) and buildings currently under construction have been modeled and added by PreVision Design, based on design drawings of the projects and/or 3D models provided by their project sponsors.

Group B: Projects that have their own completed or currently in-process environmental review but would not maximize the upzoned height allotment proposed under the Hub Plan (four sites):

1. 1500-1540 Market Street (One Oak) – environmental review complete
2. 42 Otis Street – environmental review complete
3. 10 South Van Ness Avenue – environmental review in process
4. 30 Otis Street – environmental review complete

The Hub Plan proposes upzoning for the two projects for which environmental review has been completed but construction has not yet begun, and upzoning for the two projects for which environmental review independent of the Hub EIR is underway. Completion of environmental review indicates that the project is reasonably foreseeable but not guaranteed. As the two projects for which environmental review is complete are not yet under construction, there is the possibility that the developers may allow entitlements to expire and look to developing a project that uses the upzoned height evaluated in the Hub Plan EIR. To capture the possibility of future height increases, the analysis massing for the Hub Plan Scenario is based on the proposed project designs but with the maximum height extended to the full Hub Plan height plus a 20-foot-tall mechanical parapet allowance. The exception to this approach is the project proposal for 10 South Van Ness Avenue, where the project sponsor has already submitted a 590-foot-tall design variant that reflects increased heights allowed under the Hub Plan. For this Hub Plan project, the analysis uses the design variant rather than altering the 400-foot-tall double-tower design proposal.

Group C: Projects identified for upzoning that have not filed a development application (11 sites):

1. 1 South Van Ness Avenue
2. 50 Otis Street
3. 99 South Van Ness Avenue
4. 110 12th Street
5. 180 12th Street
6. 194 12th Street
7. 154 South Van Ness Avenue
8. 160 South Van Ness Avenue
9. 170 South Van Ness Avenue
10. 1695 Mission Street
11. 33 Gough Street
12. 170 Otis Street

For all sites listed under Group C above except 1 South Van Ness Avenue, the analysis uses the full site boundary extended to the maximum proposed height plus a 20-foot-tall mechanical parapet allowance. For 1 South Van Ness Avenue, considering adjacent approximately 415- and 260-foot developments and San Francisco Planning code

requirements for tower separation; it would be unreasonable to assume that a project with a maximum bulk will be constructed to a full height of 650 feet. Therefore, the planning department has provided massing design for use in this analysis to reflect a more likely massing of a future project at 1 South Van Ness Avenue, assuming the maximum height of 650 feet allowed by the proposed Hub Plan but with massing and tower articulation (setbacks at certain heights) to be more consistent with San Francisco planning code.

Cumulative Conditions Scenarios: Both cumulative scenarios assume that all Hub Plan sites reflect the maximum proposed heights under the Hub Plan plus a 20-foot-tall mechanical parapet allowance. For 10 South Van Ness Avenue; for that project the 590-foot-tall project variant is analyzed under a Cumulative Scenario 1 and the 400-foot-tall double-tower project is analyzed under Cumulative Scenario 2.

In addition to the Hub Plan sites, other reasonably foreseeable projects that would cast shadow on publicly accessible open spaces affected by the Hub Plan have been included to analyze the total cumulative net new shadow, as shown in Table 4 below.

CUMULATIVE PROJECT ADDRESS	PROJECT HEIGHT	DATE OF DESIGN DATA
455 Fell Street	Approx 50’	12/16/2015
350 Octavia Street (Parcel N)	Approx 55’	12/9/2015
300 Octavia Street (Parcel M)	Approx 55’	12/9/2015
188 Octavia Street (Parcel T)	Approx 55’	1/16/2017
1740 Market Street	Approx 85’	1/7/2015
1700 Market Street	Approx 85’	6/2/2015
1870 Market Street	Approx 85’	3/23/2017
198 Valencia Street	Approx 55’	2/7/2017
1601 Mission Street	Approx 120’	3/2016
200-214 Van Ness Avenue	Approx 135’	9/26/2016
600 Van Ness Avenue	Approx 135’	5/31/2017
555 Golden Gate Avenue	Approx 112’	7/14/2017
1270 Mission Street	Approx 200’	5/12/2017
1025 Howard Street	Approx 90’	5/31/2016
1052 Folsom Street	Approx 65’	4/19/2017
1075 Folsom Street	Approx 65’	3/15/2017
980 Folsom Street	Approx 100’	4/15/2017
999 Folsom Street	Approx 85’	4/15/2017
345 6th Street	Approx 80’	4/15/2017
363 6th Street	Approx 85’	4/15/2017
950 Gough Street	Approx 80’	8/7/2015
807 Franklin Street	Approx 80’	8/16/2017

TABLE 4: Cumulative projects

Table 5 (next page) lays out which models/assumptions are used for each of the analysis scenarios reviewed in this report.

ANALYSIS SCENARIOS	EXISTING CONDITIONS MODEL	THE HUB PLAN MODELS			CUMULATIVE PROJECT MODELS
		GROUP A: INDIVDUAL PROJECTS	GROUP B: PROJECTS UNDER REVIEW	GROUP C: FULL SITE MASSING	
Existing Scenario	X				
The Hub Plan EIR	X	X	X	X	
30 Van Ness Project	X	X[a]			
98 Franklin Project	X	X[b]			
Cumulative Scenario 1	X	X	X	X	X[c]
Cumulative Scenario 2	X	X	X	X	X[d]

TABLE 5: Modelling assumption / Scenario Matrix

a Only the 30 Van Ness Avenue Project would be included.
b Only the 98 Franklin Street Project would be included.
c Includes the 590-foot-tall project variant for 10 South Van Ness Avenue.
d Includes the two 400-foot-tall towers proposed project for 10 South Van Ness Avenue. In all other respects identical to Cumulative Scenario 1.

V. AFFECTED PUBLICLY ACCESSIBLE OPEN SPACES

Affected Area

As shown by Exhibit A1, the total area within which net new shadow would be cast by the Hub Plan would extend from near the intersections of Fillmore and Waller streets to the southwest, Eddy and Webster streets to the northwest, Mission and Fifth streets to the northeast, and Brannan and Eighth streets to the southeast. Within this area, there are a total of 18 publicly accessible open spaces under the jurisdictions of RPD, City and County of San Francisco Real Estate Division (SFRED), San Francisco Public Works (PW), San Francisco Unified School District (SFUSD) as well as privately owned public open space (POPOS), as listed in Table 6 below as well as illustrated in Figure 3.

OPEN SPACE AFFECTED (JURISDICTION)		SCENARIO		
		HUB PLAN	30 VAN NESS AVE PROJECT	98 FRANKLIN ST PROJECT
1	Jefferson Square Park (RPD)	X	X	
2	Margaret Hayward Playground (RPD)	X	X	
3	Buchanan Street Mall (RPD)	X		
4	Ella Hill Hutch Center (SFRED)	X		
5	Hayes Valley Playground (RPD)	X	X	
6	Koshland Community Park (RPD)	X	X	
7	John Muir Elementary School (SFUSD)	X		
8	Page and Laguna Mini Park (RPD)	X		X
9	Patricia's Green (RPD)	X	X	X
10	McCoppin Hub (PW)	X		
11	SOMA West Dog and Skate Park (PW)	X		
12	Future Brady Park (POPOS)	X		
13	Civic Center Plaza (RPD)	X	X	
14	Future 11th/Natoma Park Site (RPD)	X		X
15	United Nations Plaza (PW)	X	X	
16	Howard and Langton Mini Park (RPD)	X	X	
17	Gene Friend Recreation Center (RPD)	X		
18	Victoria Manalo Draves Park (RPD)	X		

RPD = San Francisco Recreation and Parks Department
SFRED = City and County of San Francisco Real Estate Division
SFUSD = San Francisco Unified School District
POPOS = privately owned public open space
PW = San Francisco Public Works

TABLE 6: Open Spaces Affected under Analysis Scenarios

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Community Park
7. John Muir Elementary School
8. Page and Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard and Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park



FIGURE 3: Map of Affected Public Open Spaces

The following sections include descriptions of each of the open spaces affected by net new shadow by at least one of the analysis scenarios covered by this report.



FIGURE 4: Jefferson Square Park Aerial View

Jefferson Square Park

Jefferson Square Park is a public park under the jurisdiction of the RPD. It is a 5.64-acre (245,779-square-foot [sf]) urban park located in the Western Addition neighborhood of San Francisco on Assessor's Block 0745 / Lot 001. It is bounded by Eddy Street to the north, Turk Street to the south, Gough Street to the east, and Laguna Street to the west. It is not fenced, but the official hours of operation are from 5:00 a.m. to 12:00 a.m. (midnight). The official park website is http://www.sfrecpark.org/destination/jefferson-square/.

The park contains grassy and landscaped areas, paved walkways and stairs, eight benches, areas for active and passive uses, and centrally located off-leash dog play areas. The terrain slopes uphill to the northern side the park and is primarily comprised of open grassy areas punctuated by approximately 80 trees, which range from saplings to fully mature with dense canopies. The center of the park features a small plaza, and public entrances and exits are located on each of the four corners of the park as well as mid-block on the northern and southern frontages. At the southern entrances, pathways branch out in three directions, diagonally bisecting the lower half



FIGURE 5: Jefferson Square Park Map

1 Park Entry
2 Plaza
3 Off-leash Dog Areas
4 Bench

of the park and running parallel to the public sidewalks along Laguna, Turk, and Gough Streets. The pathways stemming from the northern entrances run parallel to the public sidewalks. Figure 5 shows a diagram of Jefferson Square Park.

Jefferson Square Park would receive net new shadow under the Hub Plan scenario as well as the 30 Van Ness Avenue Project scenario, as discussed in Section VII.

FIGURE 6: Margaret Hayward Playground Aerial View

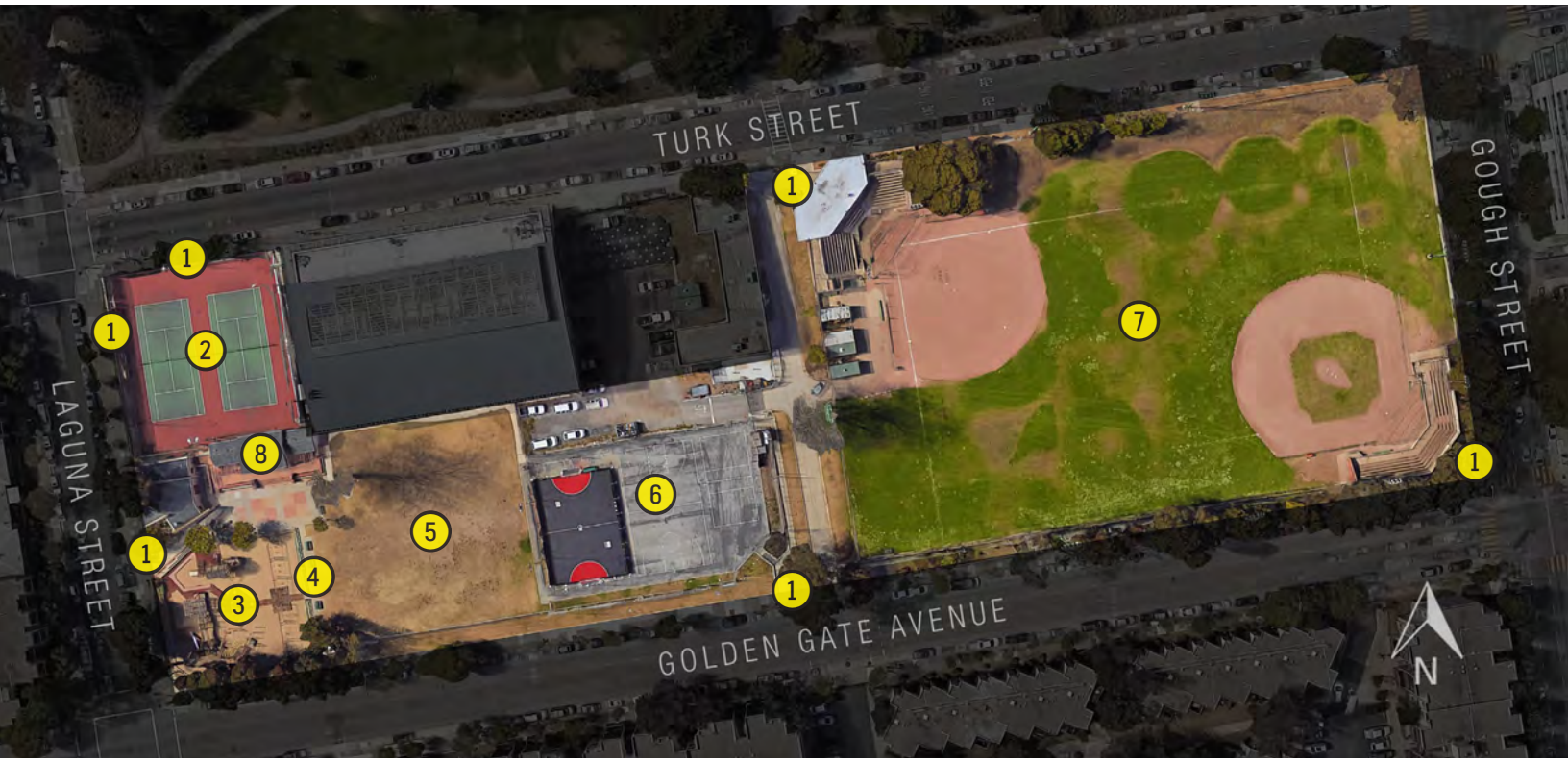


FIGURE 7: Playground Area

Margaret Hayward Playground

Margaret Hayward Playground is a public park under the jurisdiction of the RPD (Figure 6). It is a 5.04-acre (219,632-sf) urban park located in the Western Addition neighborhood of San Francisco on Assessor's Block 0851 / Lot 026. It is bounded by Turk Street to the north, Golden Gate Avenue to the south, Gough Street to the east, and Laguna Street to the west. The official hours of operation are from 8:00 a.m. to 8:00 p.m. The official park website is http://sfrecpark.org/destination/margaret-s-hayward-playground/.

The park features include two tennis courts in the northwest corner of the park, two baseball/softball fields covering the eastern half of the park, and a children's playground in the southwest corner. Along the southern edge of the park, there is a grassy area with six fixed benches adjacent to the playground (Figure 7), a multipurpose hard-court area for basketball and/or soccer and other landscaped areas, paved walkways, and stairs. A historic clubhouse building used for after-school programs is located between the children's play area and the tennis courts. Six gated park entries are located in



1 Park Entry
2 Tennis Courts
3 Children's Playground
4 Fixed Benches
5 Grass Area
6 Multi-purpose hardcourts
7 Ball Fields
8 Clubhouse

FIGURE 8: Margaret Hayward Playground Map

two locations along Turk Street, Laguna Street, and Golden Gate Avenue respectively. Figure 8 shows a diagram of Margaret Hayward Playground.

Margaret Hayward Playground would receive net new shadow under the Hub Plan analysis scenario as well as the 30 Van Ness Avenue Project scenario, as discussed in Section VIII.



FIGURE 9: Buchanan Mall Playground

Buchanan Street Mall

The Buchanan Street Mall is a six-block public greenway under the jurisdiction of the RPD. Located in the Western Addition neighborhood of San Francisco on Assessor's Block 0795/Lot 28, Block 0781/Lot 35, Block 0772/Lot 23, Block 0757/Lot 26 and Block 0748/Lot 33, the greenway is located over six blocks and is bisected into five separate sections by Fulton Street, McAllister Street, Golden Gate Avenue, and Turk Street. The Buchanan Street Mall has a combined area of 1.81-acres (78,926-sf). The mall is not fenced; however, the official hours of operation are from 5:00 a.m. to 12:00



FIGURE 10: Buchanan Mall Plan

BUCHANAN STREET MALL LEGEND

1. Grass/Landscape Areas
2. Children's Playground
3. Basketball/Hardcourt
4. Connection to the Ella Hutch Hill Community Center



FIGURE 11: Buchanan Mall looking northward across Golden Gate Avenue

a.m. (midnight). The official park website is http://sfrecpark.org/destination/buchanan-street-mall/.

The mall features a paved promenade that winds between raised feature areas, some of which are grass, trees and/or landscaping, and three which contain enclosed children's playgrounds (Figure 9). The portion of the mall running between McAllister Street and Golden Gate Avenue borders and gives access to the Ella Hutch Hill Community Center. Figure 10 shows a diagram of Buchanan Street Mall.

The Buchanan Street Mall would receive net new shadow under the Hub Plan scenario, as discussed in Section IX.



FIGURE 12: Ella Hill Hutch Community Center Planf

1. Public Entry
2. Park/Landscape Areas
3. Tennis Courts
4. Children's Play Structure
5. Multipurpose Hardcourt
6. Connection to Ella Hill Hutch Center
7. Community Center

Ella Hill Hutch Community Center

Ella Hill Hutch Community Center is a publicly accessible community recreational facility under the jurisdiction of the City and County of San Francisco Real Estate Division. The community center is located on a 2.34-acre (102,094-sf) parcel located in the Western Addition on Assessor's Block 0772 / Lot 22. It is bounded by Golden Gate Avenue to the north, McAllister Street to the south, the Buchanan Street Mall to the east, and Webster Street to the west.

The northwest corner of the site contains a landscaped entry plaza area, with paved winding pathways connecting the sidewalks on Golden Gate Avenue and Webster Street to the community center building. The paths are interspersed with grassy areas, approximately six trees, and feature 14 fixed benches and six fixed park tables. The grounds surrounding the community center building contain multi-purpose paved play areas and a children's play structure. On the northeast corner of the site are four tennis courts surrounded by tall fencing. The eastern edge of the site borders the Buchanan

Street Mall. Figure 12 shows a diagram of Ella Hill Hutch Community Center. Exterior features at the community center include a park plaza.

Ella Hill Hutch Community Center would receive net new shadow under the Hub Plan analysis scenario as discussed in Section X.



FIGURE 13: Hayes Valley Playground View

Hayes Valley Playground

Hayes Valley Playground is a public park under the jurisdiction of the RPD. It is an 0.61-acre (26,589-sf) urban park located in the Western Addition Neighborhood of San Francisco on Assessor's Block 0819/ Lot 026. It is bounded by Hayes Street to the north, Linden Street to the south, and Buchanan Street to the west. The park is fenced and posted hours of operation are from 7:30am to 9:30pm. The official park website is http://sfrecpark.org/destination/hayes-valley-playground/.

Hayes Valley Playground rests on a terraced site with a clubhouse (Figure 13), playground areas, exercise equipment, and basketball/tennis courts. Several trees with dense canopies line the park along both Hayes and Linden Streets.



FIGURE 14: Hayes Valley Playground Map

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

On the western (upper) level of the park, there are two designated playground areas, one for older vs. younger children with playground equipment and poured rubber paving. Also on this level is a 2,500-sf clubhouse with a stage and plaza area. A full-size basketball and tennis court occupy the eastern (lower) half of the park. Several exercise stations exist between sport courts and playground equipment. There are multiple strength training stations, pull-up bars, and stationary elliptical machines.

Public entrances to the park are located at the northwest corner at the intersection of Hayes and Buchanan streets, the southeast corner on Linden Street, and on the north side along Hayes Street. Centrally located accessible ramps connect upper and lower terraces and can be reached via any of the park entrances. Figure 14 shows a diagram of the Hayes Valley Playground.

Hayes Valley Playground would receive net new shadow under the Hub Plan scenario as well as the 30 Van Ness Avenue Project scenario, as discussed in Section XI.



FIGURE 15: Koshland Community Park Entry



FIGURE 16: Koshland Garden

Koshland Community Park

The Koshland Community Park is a public park under the jurisdiction of the RPD. It is a 0.82-acre (35,743- sf) urban park, located in the Western Addition Neighborhood of San Francisco on Assessor's Block 0851 / Lot 026. It occupies the North West corner of the block and is bounded by Page Street to the north, Buchanan Street to the west and private development along its eastern and southern borders. The park is not fenced, and the posted hours of operation are from sunrise to sunset. The official park website is http://sfrecpark.org/destination/koshland-park/.

Entrances to Koshland Community Park are through a gate and stairs on Page Street (Figure 15) and as well as several points along Buchanan Street. The pathway diagonally bisects the upper and lower halves of the park.

A half-court basketball area and playground sit on the Koshland Community Park's highest elevation and a community garden which can be accessed via terraced steps, a serpentine pathway, or several steps through the Page Street entrance occupies the sites eastern most border. A playground area featuring jungle gym and sand pit is centrally located in the park which includes a tire swing, slide and monkey bars. A community garden with vegetables, flowers and shrubbery occupies the eastern border of the park



1 Public Entry
2 Grassy/Landscape Areas
3 Community Garden
4 Children's Play Area
5 Basketball / Hardcourt

FIGURE 17: Koshland Community Park Plan

(Figure 16). Several planter boxes of various sizes occupy this space. See Figure 17 for a park diagram.

Koshland Community Park would receive net new shadow under the Hub Plan scenario as well as the 30 Van Ness Avenue Project scenario, as discussed in Section XII.



FIGURE 18: John Muir Elementary

John Muir Elementary School Playground

The John Muir Elementary School is a public school under the jurisdiction of SFUSD (Figure 18). As a participant in the SF Shared Schoolyard program, its approximately 0.47 acre (20, 300 sf) of outdoor playground area is made open to the public on weekends between 9 a.m. and 4 p.m.

The school playground is located in the Western Addition neighborhood of San Francisco on Assessor's Block 0841 / Lot 010. The playground stretches north-south between Oak Street to the north to Page Street to the south and is bounded by the main school building on the west and residential development to the east. The playground is bounded on all sides by buildings, walls, and fences, with the only publicly-accessible point of public entry being along Page Street.

1. Public entry
2. Multipurpose hardcourt
3. Basketball court
4. Landscape/planting areas
5. Parking/Trash
6. Children's play structure
7. Tables/seating area

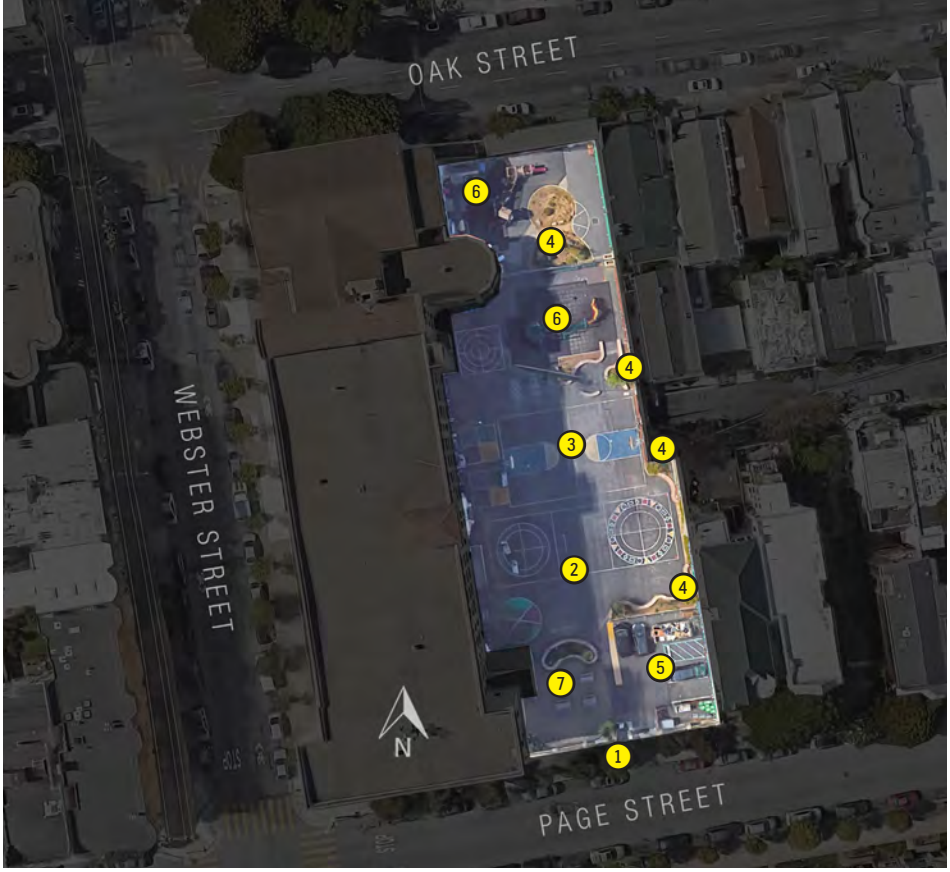


FIGURE 19: John Muir Elementary School Playground Plan

The playground is paved save for a few areas of landscape planting, with a full basketball court located in the center of the space surrounded by other multi-use courts. On the northern half of the playground are two children's play structures and on the southern portion of the playground is a seating area with fixed picnic tables as well as a small parking area for up to five vehicles. See Figure 19 for a diagram of the John Muir Elementary School Playground.

The John Muir Elementary School Playground would receive net new shadow under the Hub Plan scenario as discussed in Section XIII.

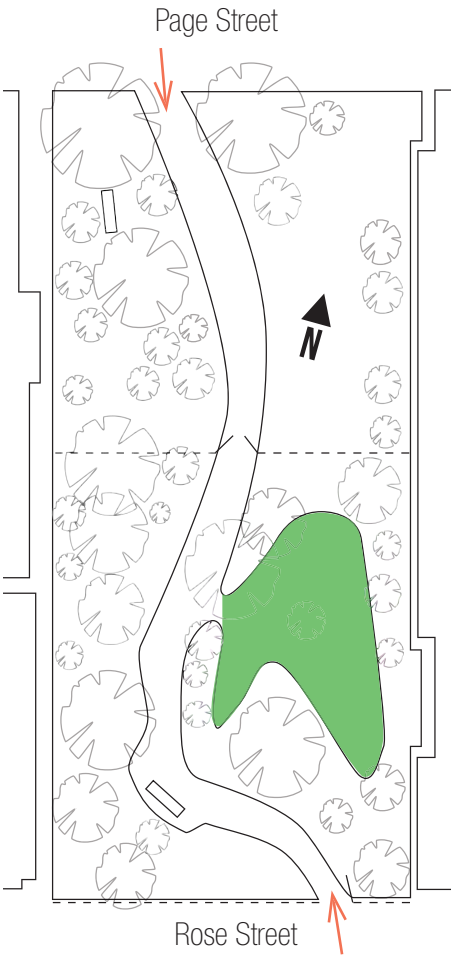


FIGURE 20: Page and Laguna Mini Park



FIGURE 21: Page Street Public Entry

Page and Laguna Mini Park

Page and Laguna Mini Park is a 6,600-sf urban park located in the Western Addition neighborhood of San Francisco on Assessor's Block 0852 / Lot 015 and is under the jurisdiction of the RPD. It is located mid-block with residences east and west and is bounded by Page Street to the north and Rose Street to the south. Page and Laguna Mini Park is enclosed by fences, one along Rose Street and another that bisects the site from east to west. Posted signage indicates that the park hours are from 6:00 a.m. to 10:00 p.m. The park's website is http://sfrecpark.org/destination/page-laguna-mini-park/. See Figure 20 for a park diagram.

The mini park has two entrances, one on Page Street (Figure 21) and one on Rose Street. The entrances are connected by a meandering serpentine path, creating a pedestrian connection between the two streets. The mini park features two fixed benches, a designated community gardening area, and several trees ranging in size from small shrubbery to deciduous trees with larger canopies.

The Page and Laguna Mini Park would receive net new shadow under the Hub Plan scenario as well as the 98 Franklin Street Project scenario, as discussed in Section XIV.

FIGURE 23: Patricia's Green Facing North



FIGURE 22: Picnic Table Area

Patricia's Green

Patricia's Green is a public park under the jurisdiction of the RPD. It is a 0.41-acre urban park located in the Western Addition/Hayes Valley neighborhood of San Francisco along the former Central Freeway parcel, now Block 817 / Lots 33 and 67 and Octavia Boulevard right-of-way. The park extends generally north-south and is bounded by Octavia Street to the east and west, Hayes Street to the north and Fell Street to the south. The park is not fenced, and there are no public restrooms. The official park website is http://sfrecpark.org/destination/patricias-green-in-hayes-valley/.

The park is divided into three sections. In the northern section of the park there is a picnic seating area located along Hayes Street (Figure 22). It features a plaza with four picnic tables around a mature tree and a mix of wooden and concrete benches. Two additional picnic tables are located on the western side of this area along Octavia Street next to restaurants. The central section is located where the park intersects Linden Street. It contains a circular plaza with four concrete benches and eight bollards, and functions as the area for art installations (Figure 23). To the north and south of the center plaza are lawns. The southern section of the park contains a children's play area, which features a dome structure with ropes and bars for climbing and poured rubber safety paving. Low concrete square pillars delineate the play area and lawn, and a



FIGURE 24: Patricia's Green Park Plan

metal fence encloses the Fell Street side. A service building is located at the southwest corner of the park. On the periphery of the park are concrete ledges and benches interspersed with approximately 24 trees and plantings. Figure 24 shows a site plan of Patricia's Green

Patricia's Green would receive net new shadow under the Hub Plan scenario, the 30 Van Ness project scenario, and the 98 Franklin Street Project scenario, as discussed in Section XV.



FIGURE 25: McCoppin Hub view from Valencia Street

McCoppin Hub

McCoppin Hub is a 0.1-acre (4,554-sf) publicly accessible open space under the jurisdiction of San Francisco Public Works. Located on Block 3503/Lot 004, McCoppin Hub extends east-west at the cul-de-sac where McCoppin Street terminates at the Central Freeway, and it is bounded by Valencia Street to the east. McCoppin Hub fronts Valencia Street with a secondary entrance via a path off Market Street. The site was previously a surface parking lot. Construction of McCoppin Hub was completed in late summer 2014. The daily hours of operation are 8:00 a.m. to 10:00 p.m. and the official plaza website is https://sfpublicworks.org/project/soma-west-mccoppin-hub-plaza.

As shown in Figure 25, McCoppin Hub features seating, palm trees, light landscaping, and landings for food trucks, art/craft display tables, and tents for live music performances. Seating is located within the middle area and is comprised of seven raised planters with ledges, shrubs, and palm trees, each one measuring approximately 22 feet long by 12 feet deep, and five two-seat benches. A bench is fixed to the five middle-raised planters, with the placement of each bench alternating from the north to the south end, starting at Valencia Street and extending toward the Central Freeway. A palm tree is planted on the opposite end from the benches and on the south side of the planters located next to Valencia Street and the Central Freeway.

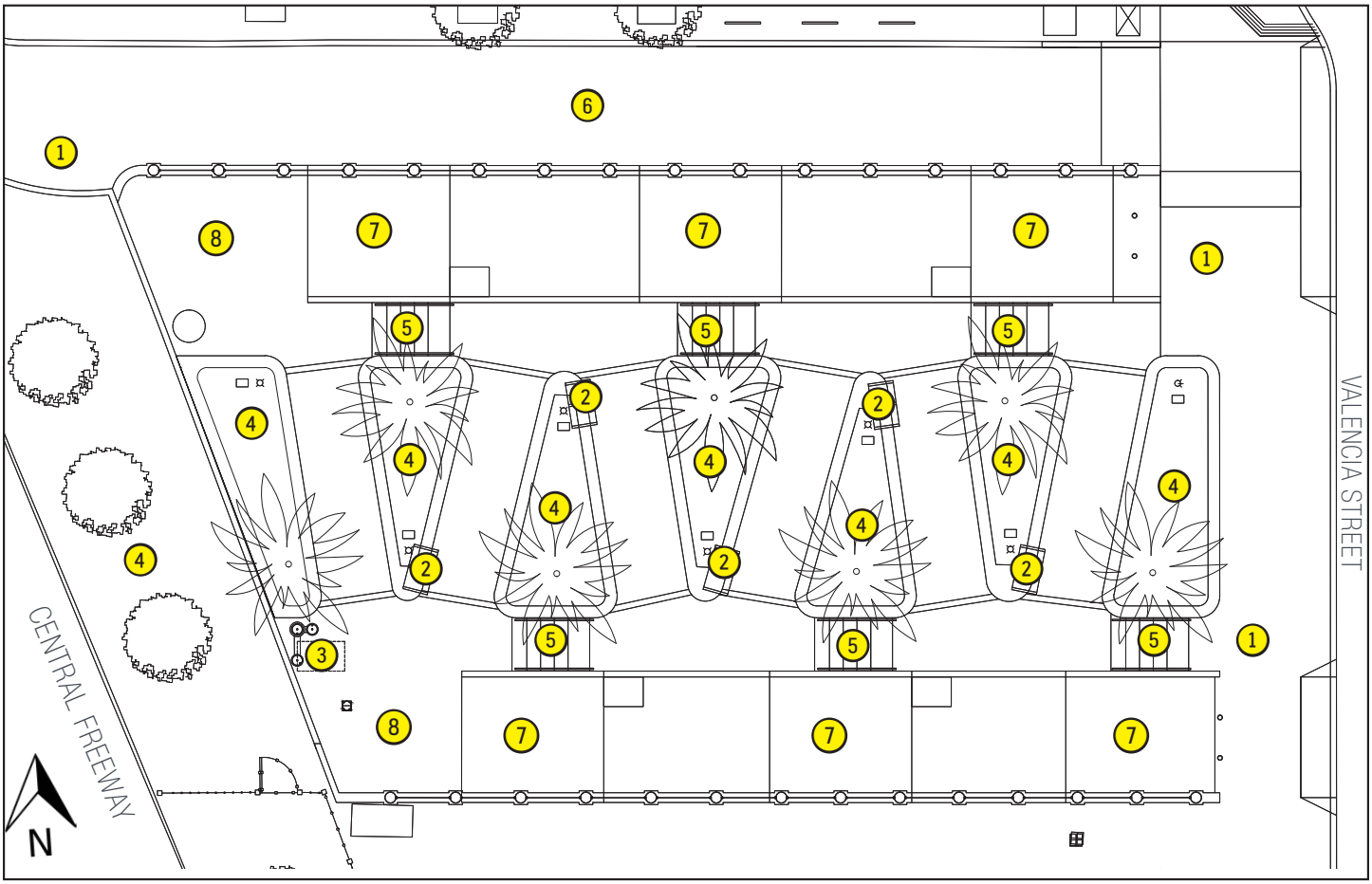


FIGURE 26: McCoppin Hub Existing Site Plan

FEATURE KEY

1. Open Space Entry/Exit
2. Fixed Bench
3. Drinking Fountain
4. Landscape Planters
5. Stairs
6. Two-way Bikeway
7. Pedestrian Ramps
8. Platform Landings

Two level platforms, or landings, are located on both the north and south ends of the plaza. The north side has three ramps at a slight incline in between the landings and the south side has four steps in between landings. Two sets of two removable bollards are located at the edge of the ramps on the Valencia Street side, and electrical outlets are located on the landings.

A secondary entrance, consisting of a bike lane and sidewalk located off Market Street at the northwest end of McCoppin Hub, is actively used. The west end, on the edge of the Central Freeway, features a lightly landscaped area with shrubs and three trees. A drinking fountain and trash can are also located in this portion of McCoppin Hub. Figure 26 shows the existing site plan of McCoppin Hub.

McCoppin Hub would receive net new shadow under the Hub Plan scenario, as discussed in Section XVI.

FIGURE 27: SOMA West Skate Park

The SOMA West Skate and Dog Park



FIGURE 28: SOMA West Dog Park

The SoMa West Skate Park and Dog Play Area is a 0.68-acre (29,528-sf) publicly accessible open space under the jurisdiction of San Francisco Public Works. The park spans east-west between Valencia Street to the west and Otis Street to the east. The park is physically divided into two sections by Stevenson Street, the western portion is designated as a dog park and the eastern portion a skateboard park. These open spaces were completed and opened to the public in July of 2014. The official plaza website is https://sfpublicworks.org/somawest.

The dog park is located on the southern edge of Block 3513, Lot 074, which it shares with a City of San Francisco surface parking lot and has a total parcel area of 21,500 sq. ft. The dog park is bounded by Valencia Street to the west and Stevenson Street to the east. The Skate Park is located on Block 3513, Lot 071 with a parcel area of 33,223 sq. ft. Both spaces are located partially beneath an elevated portion of the Central Freeway (US 101). Both sections are fenced, with daily hours of operation for the Dog Park being 5:00 am to 12:00 a.m. (midnight) and 9:00 am to 9:00 pm for the skate park.

The dog play area (Figures 28 and 30) is comprised of two separated areas, a smaller section designed for little dogs and a longer, larger section intended for bigger dogs. Other park features include two water fountains, artificial grass and three fixed benches



FIGURE 29: SOMA West Park Overview

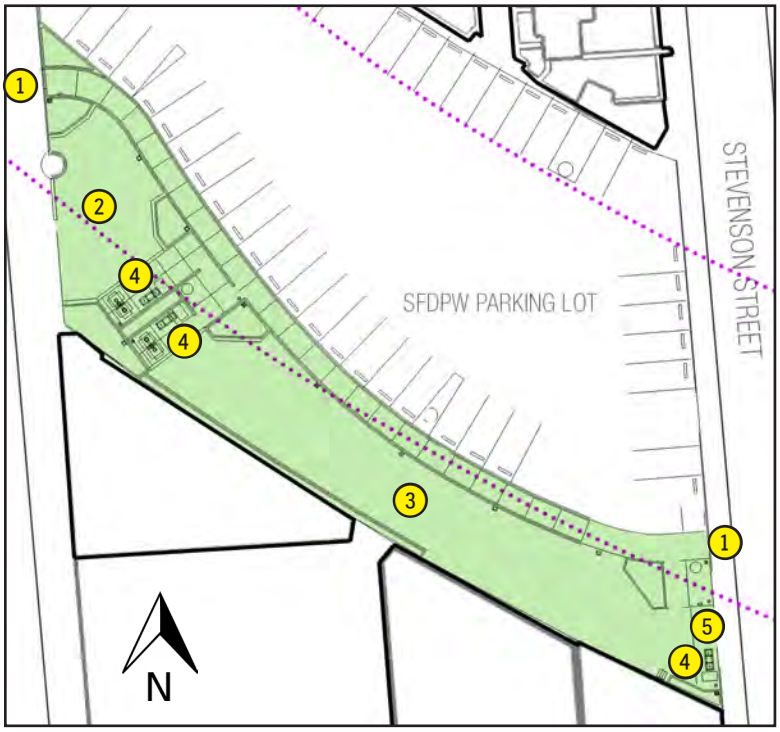


FIGURE 30: SOMA West Dog Park Area

along with approximately 10 landscaped areas with shrubs, grasses, small trees and climbing vines ranging in height from one to six feet.

The skateboard portion of the park (Figures 27 and 31) is entirely paved with concrete and. There are six large circular freeway support pillars in the skateboard area covered by murals.

There are no permanent building structures located on either portion of the park. Portable toilet facilities are present on the eastern edge of the dog park next to Stevenson Street.

SOMA West Skate and Dog Park would receive net new shadow under the Hub Plan scenario, as discussed in Section XVII.

SOMA WEST SKATE AND DOG PARK

1. Dog Park Section
2. Skate Park Section

PARK FEATURE KEY

1. Park Entry/Exit
2. Smaller Dog Play Area (grass)
3. Larger Dog Play Area (grass)
4. Fixed Bench
5. Portable Restrooms
6. Concrete Skateboarding Area

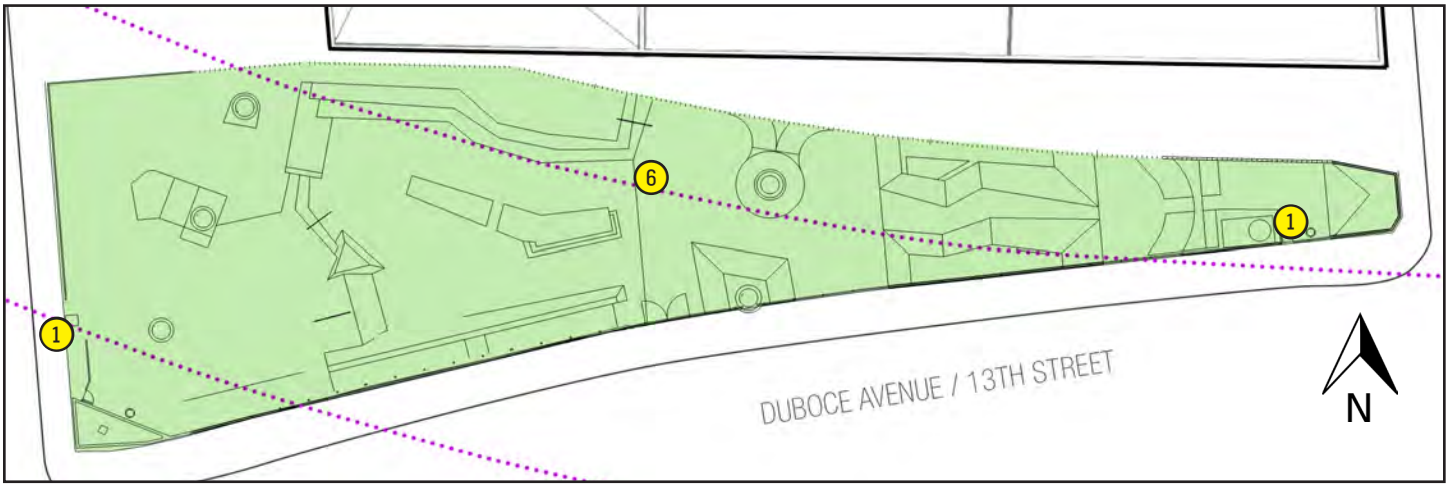


FIGURE 31: SOMA West Skate Park Area



LEGEND

1. Patterned Paving
2. Succulent Garden
   - At-grade mounded planting with low fence
   - Bench Seating
   - Succulent planting
   - Stabilized crushed stone paving
3. Porch
   - Unit pavers
   - Moveable seating
4. Colton Street
   - Special vehicular paving similar to Open Space paving
   - Sidewalk and roadway flush
   - Detectable warning paving
5. BART Vent Sculpture Enclosing Existing Vent Location
6. Multi-Use Area
   - Monolithic permeable paving
   - Seatwalls
   - Low evergreen shrub planting
7. Residential Stoops with Evergreen Shrub Planting
8. Residential Patios
9. BART Shaft Access Hatches
   - Locked
   - Surface to match adjacent paving
10. Bike Parking
11. Special Vehicular Paving
12. Vehicular Bollards
    - Removeable by Fire Department, BART Personnel, Building Management
13. Youth Play Structure and Play Surface
14. Catenary Lighting

FIGURE 32: Proposed Brady Park Plan

Future Brady Park

Future Brady Park is a proposed privately owned public open space (POPOS) that would be created as part of the 1629 Market Street project. The park (along with connected public passages) would be approximately 0.46 acre (20,000 sf) in size would be located on Block 3505 over portions of Lots 31, 31A, 32, 35, 34 and 35 at the corner of Brady and Colton streets, and to the south and west of the four proposed buildings that comprise the 1629 Market Street project. The programming of the park calls for large areas of hardscape (pavers), interspersed with succulent gardens, landscape planting, sculpture, seating walls and other movable seating, a youth play structure and play surface, bike parking, and pedestrian access pathways through the project to Market and 12th Streets. This park does not yet have an official website. See Figure 32 for the proposed park diagram.

The future Brady Park would receive net new shadow under the Hub Plan scenario, as discussed in Section XVIII.

FIGURE 33: Aerial view of Civic Center Plaza

Civic Center Plaza



FIGURE 34: Cafe at southwest corner

Civic Center Plaza (also referred to as the Joseph L. Alioto Performing Arts Piazza) is a public park under the jurisdiction of the RPD (Figure 33). It is a 4.43-acre (192,933-sf) urban park located in the Civic Center neighborhood of San Francisco on Assessor's Block 0788 / Lot 001. It is located due west of San Francisco City Hall and bounded by McAllister Street to the north, Larkin Street to the east, Polk Street to the west, and Grove Street to the south. The plaza is not fenced, but the official hours of operation are from 5:00 a.m. to 12:00 a.m. (midnight). The official park website is http://sfrecpark.org/destination/joseph-l-alioto-performing-arts-piazza/. Figure 35 shows a site plan of Civic Center Plaza.

Approximately half of the plaza area is paved, but these areas are interspersed with rectangular lawns as well as an unpaved (dirt) section at the center of the park. To the north and south of this central dirt section are approximately 200 small, densely spaced, but highly pollarded trees. Approximately 10 larger trees are present in the southeastern corner of the park, and 8 similar trees are located in the northeastern portion of the park. Two recently renovated fenced-in children's play areas (known as the Hellen Diller Civic Center Playground) are located in the plaza; one is at the northeast corner and is for smaller children, and the other is at the southeast corner and is designed for older children. Both play areas contain poured rubber paving and play equipment as well as benches.



FIGURE 35: Civic Center Plaza Plan

1. Grass Areas
2. Dirt Area
3. Pollarded Trees
4. Elevator to Parking
5. Children's Play Areas
6. Auto Ramp
7. Landscape/Seating Area
8. Stairs to Underground Parking
9. Cafe Building
10. Cafe Seating Area

The southern portion of the park contains a small rectangular area with some landscaping, as well as a bench wall used for seating. A new cafe kiosk opened in 2018 in the southeast corner of the park with a small outdoor seating area on the east side (Figure 34).

There is no formal entrance to Civic Center Plaza; most users enter at one of the four corners, or at the center along the Polk and Larkin Street frontages. Beneath the park is a multi-level parking garage, with vehicular entries along McAllister and Larkin streets. Users of the garage enter the park via an elevator building located at the north edge of the park, or via one of two stairwells.

Civic Center Plaza would receive net new shadow under the Hub Plan scenario and the 30 Van Ness Avenue scenario, as discussed in Section XIX.



FIGURE 36: 11th and Natoma future park site

Future 11th/Natoma Park Site

In 2017 RPD acquired a property on 11th Street between Minna and Natoma streets (Assessor's Block 3510 / Lots 035, 037, 039, 055, 056), as depicted above in Figure 36. The site is currently occupied by buildings that would be demolished as part of converting this site to a future park use. The programming of the park and timing of construction are not known as of January 2019, but the site for this contemplated future park is analyzed quantitatively and graphically in this report as it is under the jurisdiction of RPD.

The future 11th and Natoma park site would receive net new shadow under the Hub Plan scenario and the 98 Franklin Street scenario, as discussed in Section XX.



FIGURE 37: Pedestrian view from United Nations Plaza

United Nations Plaza

United Nations Plaza is a 2.35-acre (102,227-sf) urban plaza under the jurisdiction of San Francisco Public Works; the plaza is located in the Downtown/Civic Center neighborhood of San Francisco on the former Fulton Street and Leavenworth Street roadway parcels. The plaza is bounded by Eddy Street to the north, Turk Street to the south, Gough Street to the east, and Laguna Street to the west and the plaza fills the space between three groups of buildings on the northwest, southwest and northeast corners of the block (Assessor's Block 0351 / Lots 022, 033, 035, 037, 041, 043, 046, 049, 050, 051, and 052-113). The plaza is not fenced.

The plaza is irregularly shaped but has two principal axes: the east west axis visually connects San Francisco City Hall (Figure 37) with Market Street while a shorter north-south axis connects links Leavenworth Street to Market Street. The plaza consists of a wide brick-paved area which is punctuated by raised planting areas with mature trees. On the western edge of the plaza near Hyde Street, there is a large bronze equestrian



FIGURE 38: United Nations Plaza Plan

1 Public Entry
2 Landscape/Planter Areas
3 Water Feature
4 Hardscape Plaza
5 BART/MUNI entry

statue. Near the center of the plaza, there is a terraced area with a sculptural fountain. On the western corner of the plaza as well on the southern side are entrances to the underground Civic Center BART and Muni stations. Figure 38 shows a diagram of United Nations Plaza.

United Nations Plaza would receive net new shadow under the Hub Plan scenario as well as the 30 Van Ness Avenue Project scenario, as discussed in Section XXI.



FIGURE 39: View of the Howard and Langton Mini Park from Howard Street



FIGURE 40: Planting Beds

Howard and Langton Mini Park

Howard and Langton Mini Park is a public park/community garden under the jurisdiction of the RPD. RPD supports this space as one of 38 community gardens throughout the city as part of the Community Gardens Program. It is a 0.2-acre (9,204-sf) urban park located in the South of Market neighborhood of San Francisco on Assessor's Block 3730 / Lot 091. It is bounded by Howard Street to the northwest, Langton Street to the northeast, and private residential buildings on the other two sides as shown in Figure 39.

Inside the garden are many raised planting beds (Figure 40) separated by walking aisles. The perimeter of the space is ringed with small trees and climbing vines. The park is secured by a tall fence with a locked gate on Langton Street near the corner of Howard Street. Access is restricted to community garden members or access for others by appointment.

The Howard and Langton Mini Park would receive net new shadow under the Hub Plan scenario as well as the 30 Van Ness Avenue Project scenario, as discussed in Section XXII.

FIGURE 41: Children's playground facing northwest



FIGURE 42: Basketball Court

Gene Friend Recreation Center

Gene Friend Recreation Center is a public park under the jurisdiction of RPD. It is a 1.02-acre (44,351-sf) urban park located in the SoMa neighborhood of San Francisco on Assessor's Block 3731 / Lot 010. The park occupies approximately half of the block bounded by Sixth Street to the northeast, Folsom Street to the southeast, Howard Street to the northwest, and Harriet Street to the southwest. The park is fenced, and while the daily hours of operation vary, the park is not open prior to 9:00am nor after 9:00 pm.

The official park website is http://sfrecpark.org/destination/gene-friend-rec-center-soma/. Figure 43 shows a site plan of Gene Friend Recreation Center.

The park contains a sand-floor playground (Figure 41), a basketball court (Figure 42), lawn, and a recreation center that houses a gymnasium, activity room, and auditorium. There are entrances from Folsom and Harriet Streets, and an entrance through the recreation center from Sixth Street. The Folsom Street entrance has a pathway leading to the recreation center and a paved area with two benches at the southwest corner of the lawn. Trees and foliage line the northern edge leading up to the recreation center and the southwest edge of the lawn. West of the lawn is the playground, which has a curved, concrete ledge with seven mosaic sculptures separating the sandpit and jungle gym. The Harriet Street entrance is a palm tree-lined walkway also leading to the recreation center, water fountain, and restrooms. The basketball court and gymnasium

1 Park Entries
2 Basketball Court
3 Recreation Center
4 Playground
5 Restrooms
6 Lawn
7 Gymnasium



FIGURE 43: Gene Friend Recreation Center Plan

are located in the northwest section of the park, with palm trees and benches lining the southwest edge of the court. Additional seating is located on the basketball court behind the palm trees off the walkway.

There are public restrooms located outside, west of the recreation center's Harriet Street entrance.

The Gene Friend Recreation Center would receive net new shadow under the Hub Plan scenario, as discussed in Section XXIII.

FIGURE 44: Main Park Entry

Victoria Manalo Draves Park



FIGURE 45: Ball Field



FIGURE 46: Children's Play Area

Victoria Manalo Draves Park is a public park under the jurisdiction of RPD. It is a 2.53-acre (109,997 sf) urban park located in the SOMA neighborhood of San Francisco on Assessor's Block 3754 / Lot 16. The park is bounded by Folsom Street to the northwest, Harrison Street to the southeast, Columbia Square to the northeast, and Sherman Street to the southwest. The general topography of the park is flat, save for several mounded areas near the northeast entry which rise about 4-6 feet above the surrounding park ground level. The park is enclosed by a 5-foot tall fence and locked at night. The stated hours of operation for Victoria Manalo Draves Park are from sunrise to sunset, 365 days per year. Figure 47 shows a site plan of Victoria Manalo Draves Park.

The park contains landscaped areas, walkways and areas for active and passive uses. Victoria Manalo Draves Park's primary public entrance is located on the corner of Folsom Street and Columbia Square (Figure 44). The entry diagonally bisects the northeast area of the park and is flanked on either side by grassy areas. The walkway branches off towards the center of the park, paths lead to the basketball court, a community garden, and two children's play areas (Figure 46) to the south of the community garden with a variety of play structures. The northern play area is designed for younger children while the southern area has larger play equipment for older kids. To the east is an oval-shaped mounded grassy area which is ringed by fixed benches on



FIGURE 47: Victoria Manalo Draves Park

the north/east/south sides. The walkway continues to south/southeast along a walled playground and terminates in an east-west running transverse walkway which borders the ball field (Figure 45). This walkway connects a restroom structure and secondary public entrance at Sherman Street at the western edge to a third public entrance from Columbia Square to the east. South of the walkway are fixed picnic tables, a batting cage along Columbia Square, and the ball field.

Victoria Manalo Draves Park would receive net new shadow under the Hub Plan scenario, as discussed in Section XXIV. ■

VI. ANALYSIS FINDINGS: OVERVIEW

Table 7 below shows an overview of the net new shadow that would be cast on the 18 affected public open spaces under the Hub Plan Scenario, the 30 Van Ness Avenue Project Scenario, the 98 Franklin Street Project Scenario, and both cumulative scenarios. For parks under the jurisdiction of RPD, quantitative shadow calculations have been provided, while the general timing of net new shadow effects for other non-RPD parks and open spaces is listed.

The following sections (VII through XXIV) include detailed discussions of the shadow effects of the five analysis scenarios on the affected public parks and open spaces. ■

	Park or Open Space	Jurisdiction	Existing Shadow Load	Project Scenarios						Cumulative Scenarios			
				The Hub Plan		30 Van Ness Avenue Project		98 Franklin Street Project		Cumulative Scenario 1		Cumulative Scenario 2	
				%	Timing	%	Timing	%	Timing	%	Timing	%	Timing
1	Jefferson Square Park	RPD	1.34%	0.0002%	Winter AM	0.0002%	Winter AM			0.64%	Year-Round AM	Same as C1	
2	Margaret Hayward Playground	RPD	14.65%	0.09%	Winter AM	0.06%	Winter AM			0.09%	Winter AM	Same as C1	
3	Buchanan Street Mall	RPD	26.13%	0.01%	Fall/Winter AM					0.01%	Fall/Winter AM	Same as C1	
4	Ella Hill Hutch Community Center	SFRED	Not Calculated	N/A	Fall/Winter AM					N/A	Fall/Winter AM	Same as C1	
5	Hayes Valley Playground	RPD	33.29%	0.07%	Fall/Spring AM	0.01%	Fall/Spring AM			0.07%	Fall/Spring AM	Same as C1	
6	Koshland Park	RPD	15.45%	0.32%	Spring/Summer AM	0.02%	Spring/Summer AM			0.32%	Spring/Summer AM	Same as C1	
7	John Muir Elementary School	SFUSD	Not Calculated	N/A	Spring/Summer AM					N/A	Spring/Summer AM	Same as C1	
8	Page & Laguna Mini Park	RPD	50.80%	0.29%	Spr/Sum/Fall AM			0.03%	Summer AM	0.29%	Spr/Sum/Fall AM	0.31%	Spr/Sum/Fall AM
9	Patricia's Green	RPD	18.06%	1.53%	Fall/Win/Spr AM	0.36%	Fall/Spring AM	0.39%	Fall/Spring AM	1.99%	F/W/SP AM & PM	2.03%	F/W/SP AM & PM
10	McCoppin Hub	PW	Not Calculated	N/A	Spring/Summer AM					N/A	SP/SU/F AM & PM	Same as C1	
11	SOMA West Skate and Dog Park	PW	Not Calculated	N/A	Summer AM					N/A	Summer AM	Same as C1	
12	Brady Park (Proposed)	POPOS	Not Calculated	N/A	Year-Round AM &PM					N/A	SP/SU/F AM & PM	Same as C1	
13	Civic Center Plaza	RPD	10.20%	0.06%	Winter Midday	0.06%	Winter Midday			0.09%	Fall/Winter AM/MD/PM	Same as C1	
14	11th/Natoma Park (Proposed)	RPD	22.09%	6.77%	Year-Round PM			0.15%	Summer PM	6.77%	Year-Round PM	7.33%	Year-Round PM
15	United Nations Plaza	DPW	Not Calculated	N/A	Winter PM	N/A	Winter PM			0.01%	Winter PM	Same as C1	
16	Howard & Langton Mini Park	RPD	41.03%	0.03%	Fall/Spring PM	0.004%	Fall/Spring PM			0.05%	Fall/Spring PM	Same as C1	
17	Gene Friend Rec Center	RPD	48.29%	0.0004%	Fall/Winter PM					1.32%	Year-Round AM & PM	Same as C1	
18	Victoria Manalo Draves Park	RPD	6.43%	0.01%	Fall/Spring PM					0.51%	Year-Round AM & PM	Same as C1	

TABLE 7: Shadow analysis results overview matrix

VII. ANALYSIS FINDINGS: JEFFERSON SQUARE PARK

Existing Scenario

As shown in Table 8, the area of Jefferson Square Park is 5.64 acres (245,779 sf) and under current conditions the park receives 12,285,411 annual square-foot-hours (sfh) of shadow. Based on a calculated theoretical annual available sunlight (TAAS) of 914,640,537 sfh, Jefferson Square Park's existing annual shadow load is 1.3432% of its TAAS. Existing shadow patterns include early morning shadow cast on the eastern half of the park and late afternoon/evening shadow cast along the western edge, with little to no midday shadow year-round.

BASELINE CONDITIONS	JEFFERSON SQUARE PARK
Area of Jefferson Square Park	5.64 acres (245,779 sf)
Theoretical Annual Available Sunlight (TAAS) for Jefferson Square Park (sfh)	914,640,537 sfh
Existing shadow as percentage of TAAS (in sfh)	1.3432% (12,285,411 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	JEFFERSON SQUARE PARK
Annual net new shadow on Jefferson Square Park as percentage of TAAS (in sfh)	0.0002% (2,001 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	1.3434% (12,287,412 sfh)
Approximate dates annually net new shadow would affect Jefferson Square Park	Approx. Dec 7 - Jan 3 (16-28 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.0052% (97 sfh)
Date(s) and time of largest single area of net new shadow	Dec 20/Dec 21 at 8:19 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,217 sf (0.0%-0.5% of total area)
Average size of net net shadows, when present	820.40 sf (0.3% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 08 min / Approx. 7 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 8 min on Dec 13 & Dec 28

TABLE 8: The Hub Plan quantitative shadow summary for Jefferson Square Park

Hub Plan Scenario

The Hub Plan would result in net new shadow cast on Jefferson Square Park, adding approximately 2,001 net new annual sfh of shadow and increasing the sfh of shadow by 0.002% annually above current levels. This increase would result in a new annual total

shadow load of 1.3434%. Table 8 includes a breakdown of net new shadow for the Hub Plan scenario.

Net new shadow from the Hub Plan would occur within the first 10 minutes of the daily analysis period between approximately December 7th and January 3rd. Net new shadow would fall only on the southwest corner of the park, affecting one public entry point, a portion of the paved walkways, as well as some grassy or landscaped areas.

The days of maximum net new shadow on the park due to the Hub Plan would occur on December 20th and 21st, when the Hub Plan would shade the northwest corner of the park starting at 8:19 a.m. and be present for approximately eight minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and eight minutes, with an average duration of about seven minutes across all affected dates.

The largest net new shadow cast would occur at 8:19 a.m. on December 20 and 21 and cover 1,217 sf-equivalent to 0.3% of the total area of Jefferson Square Park. Throughout the affected period, the average size of shadows, when present, would be 820 sf (about 0.3% of the total park area).

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue project would also result in net new shadow cast on Jefferson Square Park, but as 30 Van Ness Avenue is the only Hub Plan site which would cast any net new shadow on Jefferson Square Park, the description of the size, amount, timing and locations of shadow under the Hub Plan Scenario is identical to that under the 30 Van Ness Avenue Project Scenario as described in the prior section. Table 9 includes a breakdown of net new shadow for the 30 Van Ness Avenue Project scenario.

NEW SHADOW CAST BY THE PROPOSED 30 VAN NESS PROJECT	JEFFERSON SQUARE PARK
Annual net new shadow on Jefferson Square Park as percentage of TAAS (in sfh)	0.0002% (2,001 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	1.3434% (12,287,412 sfh)
Approximate dates annually net new shadow would affect Jefferson Square Park	Approx. Dec 7 - Jan 3 (16-28 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.0052% (97 sfh)
Date(s) and time of largest single area of net new shadow	Dec 20/Dec 21 at 8:19 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,217 sf (0.0%-0.5% of total area)
Average size of net net shadows, when present	820.40 sf (0.3% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 08 min / Approx. 7 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 8 min on Dec 13 & Dec 28

TABLE 9: 30 Van Ness Avenue Project quantitative shadow summary for Jefferson Square Park

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on Jefferson Square Park at any time throughout the year.

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 1	JEFFERSON SQUARE PARK
Annual net new shadow on Jefferson Square Park as percentage of TAAS (in sfh)	0.6403% (5,856,508 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	1.9835% (18,141,919 sfh)
Approximate dates annually net new shadow would affect Jefferson Square Park	Year-round (365 days annually)
Dates of maximum new shading from proposed Project (max sfh)	Jun 14 & Jun 28
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	1.2844% (40,408 sfh)
Date(s) and time of largest single area of net new shadow	Jun 28/Jun 14 at 6:48 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 50,774 sf (0.0%-20.7% of total area)
Average size of net net shadows, when present	8,932.64 sf (3.6% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	60 min to 181 min / Approx. 124 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 181 min on Jul 5 & Jun 7

TABLE 10: Cumulative quantitative shadow summary for Jefferson Square Park

Cumulative Scenario 1

As shown in Table 10, cumulative net new shadow from Cumulative Scenario 1 combined with the other planned projects in the vicinity would result in an increase of 0.6403% (5,856,508 sfh) of shadow on Jefferson Square Park, compared to an increase of 2,001 sfh under either the Hub Plan Scenario or the 30 Van Ness Avenue Project Scenario. Table 26 includes a breakdown of net new shadow for the cumulative shadow scenario.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to Jefferson Square Park.

Observed Uses

Within the six 30-minute observation periods conducted by PreVision Design on December 18th, 19th and 21st, 2013 and January 1st and 4th, 2014, the number of users in the park ranged from 12 to 28 people, with uses that varied at different times of day and days of the week. Weekday midday visitors typically passed through the park and rested on grassy areas; dog owners were prevalent in the mornings and afternoon/evenings during the week and throughout the day on weekends at nearly all observation times, with the strongest presence during the weekend evenings. See Table 11 for an observation summary.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	12/18/13	26	53° F – Mostly Cloudy
Weekday Midday	12/19/13	23	58° F – Overcast
Weekday Afternoon	12/19/13	22	57° F – Light Rain
Weekend Morning	12/21/13	25	59° F – Overcast
Weekend Midday	01/01/14	12	62° F – Mostly Cloudy
Weekend Afternoon	01/04/14	28	62° F – Clear

TABLE 11: Park Use Observations

Overall, observed peak use at the park occurred during weekend afternoon hours. The observed intensity of use varied between the observation times but could be characterized as low to moderate given the park's size. Observed peak use on January 4th corresponded to a ratio of 8,778 sf of park area per user.

Value of Sunlight

The portions of Jefferson Square Park that would receive net new shadow from the Hub Plan and 30 Van Ness Avenue include a point of entry, walkways, some landscaped areas, as well as a small portion of grass adjacent to the pathway. No fixed benches would receive net new shadow as a result of the Hub Plan or 30 Van Ness Avenue. As such, features receiving new shading could be characterized as being of lower sensitivity due to the fact that their use is either typically transitory in nature (entry/walkways), or are features that are similar to many other nearby areas in the park (landscaped/grassy) areas that would be unshaded at the times affected by net new shadow from the Hub Plan or 30 Van Ness Avenue. In addition, the duration of such shadow would be under 10 minutes and on a limited number of dates each year.

Under Cumulative Scenarios 1 and 2, additional morning shadows would also fall on the eastern half of Jefferson Square Park, year-round affecting a point of entry, walkways, some landscaped areas, portions of the grassy areas, and three fixed benches. The new shadows cast by the Hub Plan and 30 Van Ness Avenue Scenario would fall on areas that are either transitional in nature (paved walkways, entrances), or observed to have a relatively low intensity of use (grassy areas). The park feature that is potentially most sensitive to the addition of shading would be the three fixed benches, however two of the three benches would only be affected prior to 7 a.m., and the other would be shaded no later than 9 a.m.

Jefferson Square Park Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Jefferson Square Park)

for the Hub Plan Scenario (A1) and the 30 Van Ness Avenue Project Scenario (A2).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are included as Exhibits B2-D2. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E1: Snapshot diagrams focused on Jefferson Square Park, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E1H) and the 30 Van Ness Avenue Project Scenario (E1V) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Jefferson Square Park.

Exhibit F1: The full quantitative calculations for shadow conditions on Jefferson Square Park under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2. ■

VIII. ANALYSIS FINDINGS: MARGARET HAYWARD PLAYGROUND

Existing Scenario

As shown by Table 12, the area of Margaret Hayward Playground is 5.04 acres (219,633 sf) and under current conditions the park receives 119,743,771 annual sfh of shadow. Based on a calculated TAAS of 817,340,694 sfh, Margaret Hayward Playground's existing annual shadow load is 14.65% of its TAAS. Existing shadow patterns include longer early morning shadow cast on the eastern half of the park as well as over the tennis courts (cast by a private structure located mid-block) and late afternoon/evening shadow cast along the western edge of the space. Midday shadows are lesser and primarily cast by the mid-block structures as well as other smaller structures within the park itself.

Hub Plan Scenario

The Hub Plan would result in net new shadow cast on Margaret Hayward Playground, adding approximately 711,259 net new annual sfh of shadow and increasing the sfh of shadow by 0.09% annually above current levels. This increase would result in a new annual total shadow load of 14.74%.

BASELINE CONDITIONS	MARGARET HAYWARD PLAYGROUND
Area of Margaret Hayward Playground	5.04 acres (219,633 sf)
Theoretical Annual Available Sunlight (TAAS) for Margaret Hayward Playground (sfh)	817,340,694 sfh
Existing shadow as percentage of TAAS (in sfh)	14.65% (119,743,771 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	MARGARET HAYWARD PLAYGROUND
Annual net new shadow on Margaret Hayward Playground as percentage of TAAS (in sfh)	0.09% (711,259 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	14.74% (120,455,030 sfh)
Approximate dates annually net new shadow would affect Margaret Hayward Playground	Approx. Nov 9 - Jan 31 (72-84 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.95% (15,751 sfh)
Date(s) and time of largest single area of net new shadow	Dec 20/Dec 21 at 8:30 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 51,978 sf (0.0%-23.7% of total area)
Average size of net net shadows, when present	24,929.40 sf (11.4% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 34 min / Approx. 22 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 34 min on Dec 20 & Dec 21

TABLE 12: The Hub Plan quantitative shadow summary for Margaret Hayward Playground

Net new shadow from the Hub Plan would occur within the first 34 minutes of the daily analysis period between approximately November 9th and January 31st. Net new shadow would fall on the western half of the park, at times casting shadow on: two public entry points, portions of the tennis courts, the children's playground, six fixed benches, the grassy area, multi-use hard court, as well as the southwest corner of the ball fields.

The days of maximum net new shadow on the park due to the Hub Plan would occur on December 20th and 21st, when the Hub Plan would cast shadow across the western half of the park starting at 8:19 a.m. and be present for approximately 34 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 34 minutes with an average duration of about 22 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 8:30 a.m. on December 20 and 21 and cover 51,978 sf-equivalent to 23.7% of the total area of Margaret Hayward Playground. Throughout the affected period the average size of shadows, when present, would be 24,929 sf (about 11.4% of the total park area).

30 Van Ness Avenue Project Scenario

As shown by Table 13, the proposed 30 Van Ness Avenue project would also result in net new shadow cast on Margaret Hayward Playground, adding approximately 456,286 net new annual sfh of shadow and increasing the sfh of shadow by 0.06% annually above current levels. This increase would result in a new annual total shadow load of 14.71%.

NEW SHADOW CAST BY THE PROPOSED 30 VAN NESS PROJECT	MARGARET HAYWARD PLAYGROUND
Annual net new shadow on Margaret Hayward Playground as percentage of TAAS (in sfh)	0.06% (456,286 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	14.71% (120,200,057 sfh)
Approximate dates annually net new shadow would affect Margaret Hayward Playground	Approx. Nov 9 - Jan 31 (72-84 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.56% (9,282 sfh)
Date(s) and time of largest single area of net new shadow	Dec 13/Dec 28 at 8:15 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 34,758 sf (0.0%-15.8% of total area)
Average size of net net shadows, when present	22,089.63 sf (10.1% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 28 min / Approx. 17 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 28 min on Dec 6 & Jan 4

TABLE 13: 30 Van Ness Avenue quantitative shadow summary for Margaret Hayward Playground

Net new shadow from 30 Van Ness Avenue would occur within the first 28 minutes of the daily analysis period between approximately November 9th and January 31st. Net new shadow would fall on the same areas affected by the Hub Plan.

The days of maximum net new shadow on the park due to 30 Van Ness Avenue would occur on December 20th and 21st, when the 30 Van Ness Avenue would cast shadow across the western half of the park starting at 8:19 a.m. and be present for approximately 28 minutes. The duration of 30 Van Ness Avenue-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 28 minutes with an average duration of about 17 minutes across all affected dates.

The largest net new shadow cast by 30 Van Ness Avenue would occur at 8:15 a.m. on December 13 and 28 and cover 34,758 sf-equivalent to 15.8% of the total area of Margaret Hayward Playground. Throughout the affected period, the average size of shadows, when present, would be 22,090 sf (about 10.1% of the total park area).

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on Margaret Hayward Playground at any time throughout the year.

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would result in an increase of 0.09% (711,259 sfh) of shadow on Margaret Hayward Playground, identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on Margaret Hayward Playground.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to Margaret Hayward Playground.

Observed Uses

As shown in Table 14, within the six 30-minute observation periods conducted by PreVision Design, the observed usage varied from two users on a weekday morning to four users on midday on the weekend. Park users were children with accompanying adults playing on the play equipment and sand pit in the children's playground and a few

adults sitting and talking or eating next to the clubhouse on the east end of the park and using the tennis courts.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	5/18/2018	2	55° F – Cloudy, light rain
Weekday Midday	5/21/2018	3	61° F – Sunny
Weekday Afternoon	5/21/2018	2	59° F – Sunny
Weekend Morning	5/19/2018	2	58° F – Sunny
Weekend Midday	5/19/2018	4	58° F – Sunny
Weekend Afternoon	5/20/2018	4	58° F – Partly cloudy

TABLE 14: Margaret Hayward Playground Park Use Observations

It was observed that the user intensity of the park was highest mid-day and in the afternoon during the week and weekend due to the presence of children. The park was used sparingly on weekday mornings.

Value of Sunlight

The portions of Margaret Hayward Playground that would receive net new shadow from the Hub Plan and 30 Van Ness Avenue include portions of nearly all features within the park. Those features which could be of higher sensitivity include the children's play area, the six fixed benches, and to a lesser degree the tennis courts and grass fields. While all of these features would receive some net new shadow under both the Hub Plan as well as the 30 Van Ness Avenue Project Scenarios, the shadow would occur only over the winter months in the early mornings prior to 8:45 a.m., times where lower levels of park use would be likely.

There would be no additional shadow cast on any feature of the Margaret Hayward Playground under Cumulative Scenarios 1 or 2.

Margaret Hayward Playground Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Margaret Hayward Playground) for the Hub Plan Scenario (A1) and the 30 Van Ness Avenue Project Scenario (A2).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are

included as Exhibits B2-D2. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E2: Snapshot diagrams focused on Margaret Hayward Playground, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E2H) and the 30 Van Ness Avenue Project Scenario (E2V) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Margaret Hayward Playground.

Exhibit F2: The full quantitative calculations for shadow conditions on Margaret Hayward Playground under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2. ■

IX. ANALYSIS FINDINGS: BUCHANAN STREET MALL

Existing Scenario

As shown on Table 15, the area of the Buchanan Street Mall is 1.81 acres (78,926 sf) and under current conditions the park receives 76,753,027 annual sfh of shadow. Based on a calculated TAAS of 293,714,171 sfh, Buchanan Street Mall's existing annual shadow load is 26.13% of its TAAS. Existing shadow patterns year-round involve the majority of the park in shadow early and again late in the day with little to no shadows falling around midday.

BASELINE CONDITIONS	BUCHANAN STREET MALL
Area of Buchanan Street Mall	1.81 acres (78,926 sf)
Theoretical Annual Available Sunlight (TAAS) for Buchanan Street Mall (sfh)	293,714,171 sfh
Existing shadow as percentage of TAAS (in sfh)	26.13% (76,753,027 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	BUCHANAN STREET MALL
Annual net new shadow on Buchanan Street Mall as percentage of TAAS (in sfh)	0.01% (23,564 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	26.14% (76,776,590 sfh)
Approximate dates annually net new shadow would affect Buchanan Street Mall	Approx. Oct 5 - Mar 7 (142-154 days)
Dates of maximum new shading from proposed Project (max sfh)	Feb 22 & Oct 18
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.08% (600 sfh)
Date(s) and time of largest single area of net new shadow	Nov 1/Feb 8 at 7:36 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 5,035 sf (0.0%-6.4% of total area)
Average size of net net shadows, when present	1,245.38 sf (1.6% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 17 min / Approx. 9 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 17 min on Nov 1 & Feb 8

TABLE 15: The Hub Plan Quantitative shadow summary for the Buchanan Street Mall

Hub Plan Scenario

Also shown on Table 15, the Hub Plan would result in net new shadow cast on the Buchanan Street Mall, adding approximately 23,564 net new annual sfh of shadow and increasing the sfh of shadow by 0.01% annually above current levels. This increase would result in a new annual total shadow load of 26.14%.

Net new shadow from the Hub Plan would occur within the first 17 minutes of the daily analysis period between approximately October 5th and March 7th. Net new shadow would fall on small portions of all five sections of the Buchanan Street Mall and affect portions of the pedestrian pathway and grass/landscape areas. No net new shadow would be cast on either of the children's play areas nor the basketball/hard court area.

The days of maximum net new shadow on the park due to the Hub Plan would occur on February 22nd and October 18th, when the Hub Plan would shade the southern half of the portion of Buchanan Street Mall between Fulton and McAllister Streets starting at 8:22 a.m. and be present for approximately 17 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 17 minutes with an average duration of about nine minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 7:36 a.m. on November 1st and February 8th and cover 5,035 sf-equivalent to 6.4% of the total area of the Buchanan Street Mall. Throughout the affected period, the average size of shadows, when present, would be 1,245 sf (about 1.6% of the total park area).

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow that would fall on Buchanan Street Mall at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on the Buchanan Street Mall at any time throughout the year.

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would result in an increase of 0.01% (23,564 sfh) of shadow on the Buchanan Street Mall, identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on the Buchanan Street Mall.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to the Buchanan Street Mall.

Observed Uses

As shown on Table 16, within the six 30-minute observation periods conducted by PreVision Design, the observed usage varied from a low count of three users on a weekday morning, with four users walking through, to a peak intensity of 18 users on weekend midday. Most users were children playing on the play equipment in the several small children's playgrounds, while the next larger group were adults sitting and talking or eating on the benches in the park.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	5/18/2018	4	54° F – Cloudy, light rain
Weekday Midday	5/21/2018	8	61° F – Sunny
Weekday Afternoon	5/21/2018	12	59° F – Sunny
Weekend Morning	5/19/2018	11	56° F – Sunny
Weekend Midday	5/19/2018	18	57° F – Sunny
Weekend Afternoon	5/20/2018	14	59° F – Partly cloudy

TABLE 16: Buchanan Street Mall Use Observations

It was observed that the largest number of users of the park occurred in the midday and afternoon during the week with fewer users observed during morning visits. Many users were observed using the park as a walkway to cut-through to adjacent streets. Overall usage was highest during weekdays, later school hours, and during the weekend afternoon, both when more children were present.

Value of Sunlight

The portions of Buchanan Street Mall that would receive net new shadow from the Hub Plan include walkways and some landscaped/grassy areas. Neither children's play areas nor the basketball court would receive net new shadow. As such, features receiving new shading could be characterized as being of lower sensitivity due to the fact that their use is either typically transitory in nature (walkways) or are features that are similar to other nearby areas in the park (landscaped/grassy areas). Finally, the shadow would occur primarily over the winter months in the early mornings (prior 8:45 a.m.), times where relatively lower levels of park use would be likely.

There would be no additional shadow cast on any feature of the Buchanan Street Mall under Cumulative Scenarios 1 or 2.

Buchanan Street Mall Analysis References

Exhibit A1: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including the Buchanan Street Mall) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E3: Snapshot diagrams focused on Buchanan Street Mall, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E3H) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on the Buchanan Street Mall.

Exhibit F2: The full quantitative calculations for shadow conditions on the Buchanan Street Mall under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2.

X. ANALYSIS FINDINGS: ELLA HILL HUTCH CENTER

Existing Scenario

The Ella Hill Hutch Center is 2.34-acre public open space under the jurisdiction of SFRED.[5] Existing shadow patterns include early morning shadow falling over most portions of the park from the community center building and other buildings to the east and late afternoon/evening shadow cast again by the community center building as well as development to the west. The park experiences little to no midday shadow year-round.

Hub Plan Scenario

The Hub Plan would result in a small amount of net new shadow cast on the Ella Hill Hutch Center, occurring early in the morning from mid-October through early December and again in early January through late February. Net new shadow would fall over several areas of the park, shading the public entry path at Webster Street and Golden Gate Avenue, portions of the grassy and landscaped areas in the northwest corner of the park, portions of the tennis courts, the community center entrance on McAllister Street, and the adjacent surface parking lot.

The largest net new shadow cast by the Hub Plan would occur just after 7:30 a.m. in early November and again in early February, covering just under 25% of the total park area.

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue project would not generate any net new shadow that would fall on Ella Hill Hutch Center at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on the Ella Hill Hutch Center at any time throughout the year.

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5 Per scoping direction from Environmental Planning, as this public open space is not under the jurisdiction of RPD, neither quantitative shadow calculations nor use observation visits were conducted.

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would result in an increase of 0.01% (23,564 sfh) of shadow on the Ella Hill Hutch Center, identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on the Ella Hill Hutch Center.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to the Ella Hill Hutch Center.

Value of Sunlight

The portions of Ella Hill Hutch Center that would receive net new shadow from the Hub Plan and 30 Van Ness Avenue include the northwest and southern points of entry, 14 fixed benches and six tables, the tennis courts, as well as grassy and landscaped areas. The children's play structures would not receive net new shadow due to the intervening location of the community center. The features which could be of higher sensitivity include the fixed benches and tables, and to a lesser degree the tennis courts and grassy areas. While these features would receive some net new shadow under the Hub Plan Scenario, the shadow would occur for a very short period of time daily (approximately 10 minutes or less) and only over the late fall and winter months in the early mornings prior 8:15 a.m., times where lower levels of park use would be likely.

There would be no additional shadow cast on any feature of the Ella Hill Hutch Center under Cumulative Scenarios 1 or 2.

Ella Hill Hutch Center Analysis References

Exhibit A1: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including the Ella Hill Hutch Center) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset. ■

XI. ANALYSIS FINDINGS: HAYES VALLEY PLAYGROUND

Existing Scenario

As shown on Table 17, the area of Hayes Valley Playground is 0.61 acre (26,589 sf) and under current conditions the park receives 32,936,946 annual sfh of shadow. Based on a calculated TAAS of 98,948,423 sfh, Hayes Valley Playground's existing annual shadow load is 33.29% of its TAAS. Existing shadow patterns include early morning shadow falling over most portions of the park from the clubhouse building and other buildings to the east and late afternoon/evening shadow cast again by the clubhouse building as well as development to the west. The park experiences little midday shadow over summer months, with some additional shadow encroaching from buildings to the south over spring, fall and winter months.

BASELINE CONDITIONS	HAYES VALLEY PLAYGROUND
Area of Hayes Valley Playground	0.61 acres (26,589 sf)
Theoretical Annual Available Sunlight (TAAS) for Hayes Valley Playground (sfh)	98,948,423 sfh
Existing shadow as percentage of TAAS (in sfh)	33.29% (32,936,946 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	HAYES VALLEY PLAYGROUND
Annual net new shadow on Hayes Valley Playground as percentage of TAAS (in sfh)	0.07% (66,280 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	33.36% (33,003,226 sfh)
Approximate dates annually net new shadow would affect Hayes Valley Playground	Approx. 2/23 - 4/18 & 8/24 - 10/17 (98-110 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 8 & Oct 4
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.75% (1,928 sfh)
Date(s) and time of largest single area of net new shadow	Sep 20/Mar 22 at 8:00 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 9,661 sf (0.0%-36.3% of total area)
Average size of net net shadows, when present	4,683.05 sf (17.6% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 16 min / Approx. 12 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 16 min on Aug 30 & Apr 12

TABLE 17: The Hub Plan Quantitative shadow summary for the Hayes Valley Playground

Hub Plan Scenario

Also shown on Table 17, the Hub Plan would result in net new shadow cast on Hayes Valley Playground, adding approximately 66,280 net new annual sfh of shadow and

increasing the sfh of shadow by 0.07% annually above current levels. This increase would result in a new annual total shadow load of 33.36%.

Net new shadow from the Hub Plan would occur within the first 16 minutes of the daily analysis period between approximately August 24th and October 17th and again between February 23rd and April 18th. Net new shadow would fall on the western 2/3rds the park, affecting one public entry point, portions of the tennis and basketball courts, both children's play areas, the exercise and fitness area, and landscaped areas.

The days of maximum net new shadow on the park due to the Hub Plan would occur on March 8th and October 4th, when the Hub Plan would shade the central and northwest corner of the park starting at 8:09 a.m. and be present for approximately 16 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 16 minutes with an average duration of about 12 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 8:00 a.m. on September 20th and March 22nd and cover 9,661 sf, equivalent to 36.3% of the total area of Hayes Valley Playground. Throughout the affected period, the average size of shadows, when present, would be 4,683 sf (about 17.6% of the total park area).

NEW SHADOW CAST BY THE PROPOSED 30 VAN NESS PROJECT	HAYES VALLEY PLAYGROUND
Annual net new shadow on Hayes Valley Playground as percentage of TAAS (in sfh)	0.01% (13,774 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	33.30% (32,950,720 sfh)
Approximate dates annually net new shadow would affect Hayes Valley Playground	Approx. 3/30 - 4/18 & 8/24 - 9/12 (28-40 days)
Dates of maximum new shading from proposed Project (max sfh)	Apr 5 & Sep 6
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.30% (872 sfh)
Date(s) and time of largest single area of net new shadow	Sep 6/Apr 5 at 7:44 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 6,711 sf (0.0%-25.2% of total area)
Average size of net net shadows, when present	2,838.20 sf (10.7% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 16 min / Approx. 12 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 16 min on Aug 30 & Apr 12

TABLE 18: 30 Van Ness Avenue Project quantitative shadow summary for the Hayes Valley Playground

30 Van Ness Avenue Project Scenario

As shown on Table 18, the proposed 30 Van Ness Avenue project would also result in net new shadow cast on Hayes Valley Playground, adding approximately 13,774 net new annual sfh of shadow and increasing the sfh of shadow by 0.01% annually above current levels. This increase would result in a new annual total shadow load of 33.30%.

Net new shadow from 30 Van Ness Avenue would occur within the first 16 minutes of the daily analysis period between approximately March 30th and April 18th and again between August 24th and September 12th. Net new shadow would fall on the south western half of the park, affecting one public entry point, portions of the tennis court, portions of both children's play areas, and some landscaped areas.

The days of maximum net new shadow on the park due to 30 Van Ness Avenue would occur on April 5th and September 6th, when the 30 Van Ness Avenue Project would shade portions on the center and northwest corner of the park starting at 7:44 a.m. and be present for approximately 15 minutes. The duration of 30 Van Ness Avenue-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 16 minutes with an average duration of about 12 minutes across all affected dates.

The largest net new shadow cast by 30 Van Ness Avenue would occur at 7:44 a.m. on April 5th and September 6th and cover 6,711 sf--equivalent to 25.2% of the total area of Hayes Valley Playground. Throughout the affected period, the average size of shadows, when present, would be 2,838 sf (about 10.7% of the total park area).

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on Hayes Valley Playground at any time throughout the year.

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would result in an increase of 0.07% (66,280 sfh) of shadow on Hayes Valley Playground, identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on Hayes Valley Playground.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to Hayes Valley Playground.

Observed Uses

As shown on Figure 19, within the six 30-minute observation periods conducted by PreVision Design, the observed usage varied from no users during a weekday

morning to a peak intensity of 27 users on weekday midday. Observed uses included young children accompanied by adults using the children's playground, users playing basketball on the basketball court, and others sitting and talking or eating on the benches in the park

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	5/18/2018	0	55° F – Cloudy, light rain
Weekday Midday	5/21/2018	27	61° F – Sunny
Weekday Afternoon	5/21/2018	14	58° F – Sunny
Weekend Morning	5/19/2018	8	56° F – Sunny
Weekend Midday	5/19/2018	12	55° F – Sunny
Weekend Afternoon	5/20/2018	16	59° F – Partly cloudy

FIGURE 19: Hayes Valley Playground Park Use Observations

It was observed that the user intensity of the park was highest mid-day and in the afternoon during the week with the increase largely due to more children arriving after school hours. Fewer users were observed during morning visits. A children's birthday was occurring midday during the week, accounting for approximately half of the park users at that time.

Value of Sunlight

The portions of Hayes Valley Playground that would receive net new shadow from the Hub Plan include one public entry point, portions of the tennis and basketball courts, both children's play areas, the exercise and fitness area, and landscaped areas. The 30 Van Ness Avenue Project would affect the same general areas as the Hub Plan, except that no shadow would fall on the exercise and fitness area or the basketball court. The features which could be of higher sensitivity include the children's play areas, and to a lesser degree the tennis and basketball courts and the exercise and fitness area. While these features would receive some net new shadow under both the Hub Plan as well as the 30 Van Ness Avenue Scenario, the net new shadow would occur for a very short period of time (16 minutes or less) over portions of the fall and spring seasons in the early mornings prior 8:30 a.m., times where lower levels of park use would be likely.

There would be no additional shadow cast on any feature of the Hayes Valley Playground under Cumulative Scenarios 1 or 2.

Hayes Valley Playground Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Hayes Valley Playground) for the Hub Plan Scenario (A1) and the 30 Van Ness Avenue Project Scenario (A2).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are included as Exhibits B2-D2. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E5: Snapshot diagrams focused on Hayes Valley Playground, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E4H) and the 30 Van Ness Avenue Project Scenario (E4V) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Hayes Valley Playground.

Exhibit F5: The full quantitative calculations for shadow conditions on Hayes Valley Playground under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2. ■

XII. ANALYSIS FINDINGS: KOSHLAND COMMUNITY PARK

Existing Scenario

As shown by Table 20, the area of Koshland Community Park is 0.82 acre (35,743 sf) and under current conditions the park receives 20,546,822 annual sfh of shadow. Based on a calculated TAAS of 133,014,951 sfh, Koshland Community Park's existing annual shadow load is 15.45% of its TAAS. Existing shadow patterns include very low levels of shadow falling throughout most of the day until late afternoon, when the western half of the park is cast in shadow. Spring and fall follow a similar pattern with most shadow falling over winter months.

BASELINE CONDITIONS	KOSHLAND PARK
Area of Koshland Park	0.82 acres (35,743 sf)
Theoretical Annual Available Sunlight (TAAS) for Koshland Park (sfh)	133,014,951 sfh
Existing shadow as percentage of TAAS (in sfh)	15.45% (20,546,822 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	KOSHLAND PARK
Annual net new shadow on Koshland Park as percentage of TAAS (in sfh)	0.32% (427,055 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	15.77% (20,973,878 sfh)
Approximate dates annually net new shadow would affect Koshland Park	Approx. Apr 20 - Aug 22 (113-125 days)
Dates of maximum new shading from proposed Project (max sfh)	May 17 & Jul 26
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	1.67% (7,352 sfh)
Date(s) and time of largest single area of net new shadow	Jul 26/May 17 at 7:15 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 30,119 sf (0.0%-84.3% of total area)
Average size of net net shadows, when present	11,913.54 sf (33.3% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 31 min / Approx. 21 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 31 min on Jul 26 & May 17

TABLE 20: The Hub Plan Quantitative shadow summary for the Koshland Community Park

Hub Plan Scenario

Also shown on Table 20, the Hub Plan would result in net new shadow cast on Koshland Community Park, adding approximately 427,055 net new annual sfh of shadow and increasing the sfh of shadow by 0.32% annually above current levels. This increase would result in a new annual total shadow load of 15.77%.

Net new shadow from the Hub Plan would occur within the first 31 minutes of the daily analysis period between approximately April 20th and August 22nd. Net new shadow at various times would affect all portions of the park except for a small portion of the community garden area along the eastern edge of the park.

The days of maximum net new shadow on the park due to the Hub Plan would occur on May 17th and July 26th, when the Hub Plan would shade the majority of the park starting at 7:07 a.m. and be present for approximately 31 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 31 minutes, with an average duration of about 21 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 7:15 a.m. on May 17th and July 26th and cover 30,119 sf--equivalent to 84.3% of the total area of Koshland Community Park. Throughout the affected period, the average size of shadows, when present, would be 11,914 sf (about 33.3% of the total park area).

NEW SHADOW CAST BY THE PROPOSED 30 VAN NESS PROJECT	KOSHLAND PARK
Annual net new shadow on Koshland Park as percentage of TAAS (in sfh)	0.02% (23,640 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	15.47% (20,570,463 sfh)
Approximate dates annually net new shadow would affect Koshland Park	Approx. Apr 20 - Aug 22 (29-41 days)
Dates of maximum new shading from proposed Project (max sfh)	June 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.22% (1,002 sfh)
Date(s) and time of largest single area of net new shadow	Jun 28/Jun 14 at 6:48 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 9,110 sf (0.0%-25.5% of total area)
Average size of net net shadows, when present	5,646.16 sf (15.8% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 08 min / Approx. 6 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 8 min on June 21

TABLE 21: 30 Van Ness Avenue Project quantitative shadow summary for the Koshland Community Park

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would also result in net new shadow cast on Koshland Community Park, adding approximately 23,640 net new annual sfh of shadow and increasing the sfh of shadow by 0.02% annually above current levels. This increase would result in a new annual total shadow load of 15.47%.

Net new shadow from 30 Van Ness Avenue Project would occur within the first eight minutes of the daily analysis period between approximately April 20th and August 22nd. Net new shadow would fall only along the northern edge of the park along Page

Street, affecting one public entry point, the basketball/hard court, a portion of the community garden, as well as some landscaped areas.

The days of maximum net new shadow on the park due to 30 Van Ness Avenue Project would occur on June 21st, when the 30 Van Ness Avenue Project would shade the northern edge of the park starting at 6:46 a.m. and be present for approximately eight minutes. The duration of 30 Van Ness Avenue Project-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and eight minutes, with an average duration of about six minutes across all affected dates.

The largest net new shadow cast by 30 Van Ness Avenue Project would occur at 6:46 a.m. on June 21st and cover 9,110 sf--equivalent to 25.2% of the total area of Koshland Community Park. Throughout the affected period, the average size of shadows, when present, would be 5,646 sf (about 15.8% of the total park area).

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on Koshland Community Park at any time throughout the year.

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would result in an increase of 0.32% (427,055 sfh) of shadow on Koshland Community Park, identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on Koshland Community Park.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to Koshland Community Park.

Observed Uses

As shown on Table 22, within the six 30-minute observation periods conducted by PreVision Design, the observed usage varied from a low count of two users during the weekend morning with only two users walking through, to a peak intensity of 30 users on a weekday afternoon with approximately 1/3 of the users walking through. In general, most users were children and adults playing on the play equipment in the

children's playground, while other users were sitting, eating and socializing on the benches throughout the entire park.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	5/19/2018	10	54° F – Cloudy, light rain
Weekday Midday	5/21/2018	27	61° F – Sunny
Weekday Afternoon	5/21/2018	30	58° F – Sunny
Weekend Morning	5/19/2018	2	56° F – Sunny
Weekend Midday	5/19/2018	5	55° F – Sunny
Weekend Afternoon	5/20/2018	12	58° F – Partly cloudy

TABLE 22: Park Use Observations

It was observed that the intensity of park use was highest mid-day and in the afternoon during the week. During the week, observed uses in the park in the morning included dog walking and an exercise class early in the morning. Two birthday parties were observed midday and in the afternoon during the week. Park usage increased during 2 of the 3 weekday visits where children were out of school for events and play. The community garden had 1-3 people watering or weeding during the weekday and weekend morning visits.

Value of Sunlight

The portions of Koshland Community Park that would receive net new shadow from the Hub Plan include two points of entry, a children's play area, a basketball/hard court, a community garden, walkways, and grassy/landscaped areas. The 30 Van Ness Avenue Project would affect a much smaller area, affecting only one public entry, small portions of the community garden and basketball court, and grassy or landscaped areas along the northern edge of the park. In addition, the duration of shadow cast by the 30 Van Ness Avenue Project would be under 10 minutes and on a limited number of dates each year. The features which could be of higher sensitivity include the children's play areas, and to a lesser degree the basketball courts and the community garden area. The children's play area in particular would receive some net new shadow under the Hub Plan (but not the 30 Van Ness Avenue Project); however, the period of time when net new shadow would fall on this feature would occur for only about 10 minutes in the early morning and be gone prior to 7:30 a.m. Overall, features affected by either the Hub Plan or 30 Van Ness Avenue Project would only receive net new shadow over the summer in the early mornings prior 7:45 a.m., times where lower levels of park use would be likely.

There would be no additional shadow cast on any feature of the Koshland Community Park under Cumulative Scenarios 1 or 2.

Koshland Community Park Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Koshland Community Park) for the Hub Plan Scenario (A1) and the 30 Van Ness Avenue Project Scenario (A2).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are included as Exhibits B2-D2. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E6: Snapshot diagrams focused on Koshland Community Park, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E5H) and the 30 Van Ness Avenue Project Scenario (E5V) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Koshland Community Park.

Exhibit F6: The full quantitative calculations for shadow conditions on Koshland Community Park under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2. ■

XIII. ANALYSIS FINDINGS: JOHN MUIR ELEMENTARY SCHOOL

Existing Scenario

The John Muir Elementary School Playground is an outdoor play yard under the jurisdiction of SFUSD[6] that is open to the public on weekends as part of the San Francisco Shared Schoolyard program. Under current conditions, the John Muir Elementary School Playground is partially shaded during morning hours from development to the east, substantially unshaded throughout midday hours with progressive shading from the main school building encroaching throughout the afternoon.

Hub Plan Scenario

The Hub Plan would result in net new shadow cast on the John Muir Elementary School Playground. The central portion of the playground area where the basketball court is located would be affected by net new shadow for a short duration of time during early morning for a few weeks in the late spring and again in the late summer.

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow that would fall on the John Muir Elementary School Playground at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on the John Muir Elementary School Playground at any time throughout the year.

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6 Per scoping direction from Environmental Planning, as this public open space is not under the jurisdiction of RPD, neither quantitative shadow calculations nor use observation visits were conducted.

Cumulative Scenario 1

The shadow conditions generated by Cumulative Scenario 1 would not generate any net new shadow that would fall on the John Muir Elementary School Playground at any time throughout the year..

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1.

Value of Sunlight

The portions of the John Muir Elementary School Playground that would receive net new shadow from the Hub Plan would be limited to a central section containing the basketball court, with no other features being affected. While this feature could be characterized as moderately sensitive to the effects of net new shadow, shadow cast by the Hub Plan would occur for a short duration likely prior to 8:00 a.m., well before the playground would be open to the public at 9:00 a.m.

There would be no additional shadow cast on any feature of the John Muir Elementary School Playground under Cumulative Scenarios 1 or 2.

John Muir Elementary School Playground Analysis References

Exhibit A1: Annual shadow fan diagram showing the extents of net new shadow on all other affected open spaces (including the John Muir Elementary School Playground) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset. ■

XIV. ANALYSIS FINDINGS: PAGE AND LAGUNA MINI PARK

Existing Scenario

As shown on Table 23, the area of the Page and Laguna Mini Park is 0.15 acre (6,595 sf) and under current conditions the park receives 12,469,084 annual sfh of shadow. Based on a calculated TAAS of 24,543,248 sfh, Page and Laguna Mini Park's existing annual shadow load is 50.80% of its TAAS. Existing shadow patterns include morning, afternoon, and evening shadow falling over the majority the park with little shadow around midday, year-round.

BASELINE CONDITIONS	PAGE & LAGUNA MINI PARK
Area of Page & Laguna Mini Park	0.15 acres (6,595 sf)
Theoretical Annual Available Sunlight (TAAS) for Page & Laguna Mini Park (sfh)	24,543,248 sfh
Existing shadow as percentage of TAAS (in sfh)	50.80% (12,469,084 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	PAGE & LAGUNA MINI PARK
Annual net new shadow on Page & Laguna Mini Park as percentage of TAAS (in sfh)	0.29% (71,416 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	51.09% (12,540,500 sfh)
Approximate dates annually net new shadow would affect Page & Laguna Mini Park	Approx. 2/16-3/7 & 4/20-8/22 & 10/5-10/24 (153-165 days)
Dates of maximum new shading from proposed Project (max sfh)	Jun 14 & Jun 28
Net new shadow on max date as percentage of Theoretical Daily Available Sunlight (in sfh)	0.95% (805 sfh)
Date(s) and time of largest single area of net new shadow	Jul 19/May 24 at 7:16 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,349 sf (0.0%-20.5% of total area)
Average size of net net shadows, when present	829.31 sf (12.6% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 52 min / Approx. 36 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 52 min on June 21

TABLE 23: The Hub Plan quantitative shadow summary for the Page and Laguna Mini Park

Hub Plan Scenario

Also shown on Table 23, the Hub Plan would result in net new shadow cast on Page and Laguna Mini Park, adding approximately 71,416 net new annual sfh of shadow and increasing the sfh of shadow by 0.29% annually above current levels. This increase would result in a new annual total shadow load of 51.09%.

Net new shadow from the Hub Plan would occur within the first 52 minutes of the daily analysis period over several time frames: between February 16th and March 7th, April 20th and August 22nd, and October 5th and 24th. Net new shadow would fall only on the northern and southern portions of the park, affecting one public entry point, a portion of the paved walkways, one fixed bench, some grassy or landscaped areas and a small section of the community garden.

The days of maximum net new shadow on the park due to the Hub Plan would occur on June 14th and 28th, when the Hub Plan would shade the northern and southern portions of the park starting at 6:48 a.m. and be present for approximately 50 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 52 minutes, with an average duration of about 36 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 7:16 a.m. on May 24th and July 19th and cover 1,349 sf--equivalent to 20.5% of the total area of Page and Laguna Mini Park. Throughout the affected period the average size of shadows, when present, would be 829 sf (about 12.6% of the total park area).

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue project would not generate any net new shadow that would fall on Page and Laguna Mini Park at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would also result in net new shadow cast on the Page and Laguna Mini Park, adding approximately 8,039 net new annual sfh of shadow and increasing the sfh of shadow by 0.03% annually above current levels. This increase would result in a new annual total shadow load of 50.83%.

Net new shadow from 98 Franklin Street would occur within the first 20 minutes of the daily analysis period between approximately May 18th and July 25th. Net new shadow would fall only on the northern edge the park, affecting one public entry point, a portion of the paved walkways as well as some grassy or landscaped areas.

The days of maximum net new shadow on the park due to 98 Franklin Street would occur on June 7th and July 5th, when the 98 Franklin Street Project would shade the northern edge of the park starting at 6:52 a.m. and be present for approximately 16 minutes. The duration of 98 Franklin Street-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 20 minutes, with an average duration of about 13 minutes across all affected dates.

NEW SHADOW CAST BY THE PROPOSED 98 FRANKLIN PROJECT	PAGE & LAGUNA MINI PARK
Annual net new shadow on Page & Laguna Mini Park as percentage of TAAS (in sfh)	0.03% (8,039 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	50.83% (12,477,123 sfh)
Approximate dates annually net new shadow would affect Page & Laguna Mini Park	Approx. May 18-Jul 25 (57-69 days)
Dates of maximum new shading from proposed Project (max sfh)	Jun 7 & Jul 5
Net new shadow on max date as percentage of Theoretical Daily Available Sunlight (in sfh)	0.23% (197 sfh)
Date(s) and time of largest single area of net new shadow	Jun 28/Jun 14 at 6:48 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 868 sf (0.0%-13.2% of total area)
Average size of net net shadows, when present	669.48 sf (10.2% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 20 min / Approx. 13 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 20 min on Jun 28 & Jun 14

TABLE 24: 98 Franklin Street Project quantitative shadow summary for the Page and Laguna Mini Park

The largest net new shadow cast by 98 Franklin Street would occur at 6:46 a.m. on June 14th and 28th and cover 868 sf--equivalent to 13.2% of the total area of Page and Laguna Mini Park. Throughout the affected period, the average size of shadows, when present, would be 669 sf (about 10.2% of the total park area).

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would result in an increase of 0.29% (71,416 sfh) of shadow on Page and Laguna Mini Park, identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on Page and Laguna Mini Park.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be slightly greater than that cast by Cumulative Scenario 1, adding approximately 77,062 net new annual sfh of shadow and increasing the sfh of shadow by 0.31% annually above current levels, and 0.02% more than Cumulative Scenario 1. This increase would result in a new annual total shadow load of 51.11%.

The days of maximum net new shadow on the park under Cumulative Scenario 2 would occur on June 14th and 28th, when the northern and southern portions of the park would be cast in shadow starting at 6:48 a.m. and be present for approximately 50 minutes. The duration of the Cumulative Scenario 2-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 52 minutes with an average duration of about 33 minutes across all affected dates

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 2	PAGE & LAGUNA MINI PARK
Annual net new shadow on Page & Laguna Mini Park as percentage of TAAS (in sfh)	0.31% (77,062 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	51.11% (12,546,147 sfh)
Approximate dates annually net new shadow would affect Page & Laguna Mini Park	Approx. 2/16-3/7 & 4/13-8/29 & 10/5-10/24 (167-179 days)
Dates of maximum new shading from proposed Project (max sfh)	Jun 14 & Jun 28
Net new shadow on max date as percentage of Theoretical Daily Available Sunlight (in sfh)	0.95% (805 sfh)
Date(s) and time of largest single area of net new shadow	Aug 2/May 10 at 7:15 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,375 sf (0.0%-20.8% of total area)
Average size of net net shadows, when present	913.32 sf (13.8% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 52 min / Approx. 33 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 52 min on June 21

TABLE 25: Cumulative Scenario 2 summary for the Page and Laguna Mini Park

The largest net new shadow cast by Cumulative Scenario 2 would occur at 7:15 a.m. on May 10th and August 2nd and cover 1,375 sf--equivalent to 20.8% of the total area of Page and Laguna Mini Park. Throughout the affected period, the average size of shadows, when present, would be 913 sf (about 13.8% of the total park area).

Observed Uses

As shown on Table 26, within the six 30-minute observation periods conducted by PreVision Design on February 18th, 19th, 22nd and January 4th, the number of users in the park ranged from zero to one person.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	2/19/2014	0	57° F – Partly Cloudy
Weekday Midday	2/19/2014	0	61° F - Partly Cloudy
Weekday Afternoon	2/18/2014	1	62° F - Mostly Cloudy
Weekend Morning	2/22/2014	0	56° F - Partly Cloudy
Weekend Midday	2/22/2014	0	62° F - Partly Cloudy
Weekend Afternoon	2/22/2014	0	68° F – Partly cloudy

TABLE 26: Park Use Observations

During five of six visits, no park visitors were observed to be present. On the weekday afternoon site visit, a single user was seen walking through the park.

Value of Sunlight

The portions of Page and Laguna Mini Park that would receive net new shadow from the Hub Plan and 98 Franklin Street include one public entry point, a portion of the paved walkways, one fixed bench, some grassy or landscaped areas and a small section

of the community garden. Features receiving new shading that could be characterized as being of lower sensitivity due to the fact they their use is typically transitory in nature include the entry and walkways. Affected features that could be considered of higher sensitivity include the community garden and the fixed bench. However shadow cast by the Hub Plan, 98 Franklin Street, or Cumulative Scenario 2 would occur over the late winter, summer and early fall for a short duration (33 minutes or less) and be gone prior to 8:00 a.m., corresponding to times of typically lower levels of park use.

There would be no additional shadow cast on any feature of the Page and Laguna Mini Park under Cumulative Scenario 1. Under Cumulative Scenario 2, a small amount of additional early morning (prior to 8:00 a.m.) shadows would fall on the park for several weeks in late spring and again in late summer affecting similar areas affected by the Hub Plan and 98 Franklin Street.

Page and Laguna Mini Park Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Page and Laguna Mini Park) for the Hub Plan Scenario (A1) and the 98 Franklin Street Project Scenario (A3).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 98 Franklin Street Project Scenario on the same dates are included as Exhibits B3-D3. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E7: Snapshot diagrams focused on Page and Laguna Mini Park, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E6H) and the 98 Franklin Street Project Scenario (E6F) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Page and Laguna Mini Park.

Exhibit F7: The full quantitative calculations for shadow conditions on Page and Laguna Mini Park under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2. ■

XV. ANALYSIS FINDINGS: PATRICIA'S GREEN

Existing Scenario

As shown on Table 27, the area of Patricia's Green is 0.41 acre (17,903 sf) and under current conditions the park receives 12,029,525 annual sfh of shadow. Based on a calculated TAAS of 66,622,661 sfh, Patricia's Green's existing annual shadow load is 18.06% of its TAAS. The park currently experiences higher levels of shading in the early mornings and late afternoons but is otherwise predominantly unshaded from late morning through mid-afternoon year-round.

BASELINE CONDITIONS	PATRICIAS GREEN
Area of Patricias Green	0.41 acres (17,903 sf)
Theoretical Annual Available Sunlight (TAAS) for Patricias Green (sfh)	66,622,661 sfh
Existing shadow as percentage of TAAS (in sfh)	18.06% (12,029,525 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	PATRICIAS GREEN
Annual net new shadow on Patricias Green as percentage of TAAS (in sfh)	1.53% (1,018,855 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	19.59% (13,048,380 sfh)
Approximate dates annually net new shadow would affect Patricias Green	Approx. Aug 10 - May 2 (254-266 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 8 & Oct 4
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	6.52% (11,241 sfh)
Date(s) and time of largest single area of net new shadow	Oct 11/Mar 1 at 8:45 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 15,404 sf (0.0%-86.0% of total area)
Average size of net net shadows, when present	6,427.91 sf (35.9% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 69 min / Approx. 33 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 69 min on Sep 6 & Apr 5

TABLE 27: The Hub Plan Quantitative shadow summary for Patricia's Green

Hub Plan Scenario

Also shown on Table 27, the Hub Plan would result in net new shadow cast on Patricia's Green, adding approximately 1,018,855 net new annual sfh of shadow and increasing the sfh of shadow by 1.53% annually above current levels. This increase would result in a new annual total shadow load of 19.59%.

Net new shadow from the Hub Plan would occur within the first 69 minutes of the daily analysis period between approximately August 10th and May 2nd. Net new shadow would affect all portions of the park at various times throughout the year.

The days of maximum net new shadow on the park due to the Hub Plan would occur on March 8th and October 4th, when the Hub Plan would shade the majority of the park starting at 8:09 a.m. and be present for approximately 58 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 69 minutes with an average duration of about 33 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 8:45 a.m. on March 1st and October 11th and cover 15,404 sf--equivalent to 86.0% of the total area of Patricia's Green. Throughout the affected period, the average size of shadows, when present, would be 6,428 sf (about 35.9% of the total park area).

30 Van Ness Avenue Project Scenario

As shown on Table 28, the proposed 30 Van Ness Avenue Project would also result in net new shadow cast on Patricia's Green, adding approximately 239,936 net new annual sfh of shadow and increasing the sfh of shadow by 0.36% annually above current levels. This increase would result in a new annual total shadow load of 18.42%.

Net new shadow from 30 Van Ness Avenue Project would occur within the first 46 minutes of the daily analysis period between March 16th and May 2nd and again between August 10th and September 26th. Net new shadow would affect all portions of the park at various times throughout the year.

NEW SHADOW CAST BY THE PROPOSED 30 VAN NESS PROJECT	PATRICIAS GREEN
Annual net new shadow on Patricias Green as percentage of TAAS (in sfh)	0.36% (239,936 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	18.42% (12,269,461 sfh)
Approximate dates annually net new shadow would affect Patricias Green	Approx. 3/16 - 5/2 & 8/10 - 9/26 (84-96 days)
Dates of maximum new shading from proposed Project (max sfh)	Apr 5 & Sep 6
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	2.95% (5,691 sfh)
Date(s) and time of largest single area of net new shadow	Aug 30/Apr 12 at 8:15 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 10,762 sf (0.0%-60.1% of total area)
Average size of net net shadows, when present	5,286.36 sf (29.5% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 46 min / Approx. 31 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 46 min on Aug 30 & Apr 12

TABLE 28: 30 Van Ness Avenue Project Quantitative shadow summary for Patricia's Green

The days of maximum net new shadow on the park due to 30 Van Ness Avenue Project would occur on April 5th and September 6th, when the 30 Van Ness Avenue Project would shade the central and northern portions of the park starting at 7:44 a.m. and be present for approximately 38 minutes. The duration of 30 Van Ness Avenue Project-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 46 minutes with an average duration of about 31 minutes across all affected dates.

The largest net new shadow cast by 30 Van Ness Avenue Project would occur at 8:15 a.m. on August 30th and April 12th and cover 10,762 sf--equivalent to 60.1% of the total area of Patricia's Green. Throughout the affected period, the average size of shadows, when present, would be 5,286 sf (about 29.5% of the total park area).

98 Franklin Street Project Scenario

As shown on Table 29, the proposed 98 Franklin Street project would also result in net new shadow cast on Patricia's Green, adding approximately 262,065 net new annual sfh of shadow and increasing the sfh of shadow by 0.39% annually above current levels. This increase would result in a new annual total shadow load of 18.45%.

Net new shadow from 98 Franklin Street would occur within the first 46 minutes of the daily analysis period between February 2nd and March 28th and again between September 14th and November 7th. Net new shadow would affect all portions of the park at various times throughout the year.

The days of maximum net new shadow on the park due to 98 Franklin Street would occur on March 1st and October 11th, when the 98 Franklin Street Project would shade the central and northern portions of the park starting at 8:16 a.m. and be present for approximately 36 minutes. The duration of 98 Franklin Street-generated net new shadow would vary

NEW SHADOW CAST BY THE PROPOSED 98 FRANKLIN PROJECT	PATRICIAS GREEN
Annual net new shadow on Patricias Green as percentage of TAAS (in sfh)	0.39% (262,065 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	18.45% (12,291,590 sfh)
Approximate dates annually net new shadow would affect Patricias Green	Approx. 2/2 - 3/28 & 9/14 - 11/7 (98-110 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 1 & Oct 11
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	3.14% (5,251 sfh)
Date(s) and time of largest single area of net new shadow	Oct 11/Mar 1 at 8:45 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 10,314 sf (0.0%-57.6% of total area)
Average size of net net shadows, when present	4,458.25 sf (24.9% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 46 min / Approx. 36 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 46 min on Oct 18 & Feb 22

TABLE 29: 98 Franklin Street Project Quantitative shadow summary for Patricia's Green

throughout the year, with net new shadow lasting between zero and 46 minutes, with an average duration of about 36 minutes across all affected dates.

The largest net new shadow cast by 98 Franklin Street would occur at 8:45 a.m. on March 1st and October 11th and cover 10,314 sf--equivalent to 57.6% of the total area of Patricia's Green. Throughout the affected period, the average size of shadows, when present, would be 4,458 sf (about 24.9% of the total park area).

Cumulative Scenario 1

As shown on Table 30, in the Cumulative Scenario 1, net new shadow would result in an increase of 1.99% (1,326,021 sfh) of shadow on Patricia's Green. This increase would result in a new annual total shadow load of 20.05%.

Net new shadow from Cumulative Scenario 1 would occur within the first 160 minutes of the daily analysis period and again (at times) within the last 54 minutes of the daily analysis period between approximately August 10th and May 2nd. Net new shadow would affect all portions of the park at various times throughout the year.

The days of maximum net new shadow on the park due to Cumulative Scenario 1 would occur on March 8th and October 4th, when Cumulative Scenario 1 would shade the majority of the park starting at 8:09 a.m. and be present for approximately 120 minutes. The duration of Cumulative Scenario 1-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 214 minutes with an average duration of about 127 minutes across all affected dates

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 1	PATRICIAS GREEN
Annual net new shadow on Patricias Green as percentage of TAAS (in sfh)	1.99% (1,326,021 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	20.05% (13,355,546 sfh)
Approximate dates annually net new shadow would affect Patricias Green	Approx. Aug 10 - May 02 (254-266 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 8 & Oct 4
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	6.57% (11,330 sfh)
Date(s) and time of largest single area of net new shadow	Oct 11/Mar 1 at 8:45 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 15,404 sf (0.0%-86.0% of total area)
Average size of net net shadows, when present	2,496.40 sf (13.9% of total area)
Range in daily duration of net new shadow (+/- 14 min) / Average duration when present	Zero to 214 min / Approx. 127 min.
Date and duration of longest duration of new shading (duration variance +/- 14 min.)	Approx. 214 min on Nov 1 & Feb 8

TABLE 30: Cumulative Scenario 1 summary for Patricia's Green

The largest net new shadow cast by Cumulative Scenario 1 would occur at 8:45 a.m. on March 1st and October 11th and cover 15,404 sf--equivalent to 86.0% of the total area of Patricia's Green. Throughout the affected period the average size of shadows, when present, would be 2,496 sf (about 13.9% of the total park area).

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 2	PATRICIAS GREEN
Annual net new shadow on Patricias Green as percentage of TAAS (in sfh)	2.03% (1,350,624 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	20.09% (13,380,149 sfh)
Approximate dates annually net new shadow would affect Patricias Green	Approx. Aug 10 - May 02 (254-266 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 8 & Oct 4
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	6.57% (11,330 sfh)
Date(s) and time of largest single area of net new shadow	Oct 11/Mar 1 at 8:45 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 15,404 sf (0.0%-86.0% of total area)
Average size of net net shadows, when present	2,547.15 sf (14.2% of total area)
Range in daily duration of net new shadow (+/- 14 min) / Average duration when present	Zero to 214 min / Approx. 127 min.
Date and duration of longest duration of new shading (duration variance +/- 14 min.)	Approx. 214 min on Nov 1 & Feb 8

TABLE 31: Cumulative Scenario 2 summary for Patricia's Green

Cumulative Scenario 2

As shown on Table 31, in the Cumulative Scenario 2, net new shadow would result in an increase of 2.03% (1,350,624 sfh) of shadow on Patricia's Green. This increase would result in a new annual total shadow load of 20.09%.

Net new shadow from Cumulative Scenario 2 would occur within the first 160 minutes of the daily analysis period and again (at times) within the last 54 minutes of the daily analysis period between approximately August 10th and May 2nd. Net new shadow would affect all portions of the park at various times throughout the year.

The days of maximum net new shadow on the park due to Cumulative Scenario 2 would occur on March 8th and October 4th, when Cumulative Scenario 2 would shade the majority of the park starting at 8:09 a.m. and be present for approximately 120 minutes. The duration of Cumulative Scenario 2-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 214 minutes with an average duration of about 127 minutes across all affected dates

The largest net new shadow cast by Cumulative Scenario 2 would occur at 8:45 a.m. on March 1st and October 11th and cover 15,404 sf--equivalent to 86.0% of the total area of Patricia's Green. Throughout the affected period the average size of shadows, when present, would be 2,547 sf (about 14.2% of the total park area).

Observed Uses

As shown on Table 32, within the six 30-minute observation periods conducted by PreVision Design on June 11th, 12th and 13th, 2015, the observed usage varied from a low count of 80 users on a weekday morning, with approximately ½ of the users walking through, to a peak intensity of 183 users on weekend afternoon, with approximately 1/3 of the users walking through. The majority of users were walking and playing with dogs, sitting, and eating and socializing on the benches and picnic tables throughout the entire park. It was observed that the intensity of the park was highest mid-day during the week due to people eating lunch, or while watching a special event, like a live music performance. The park was actively used at all times for dog walking, as a meeting place or as thoroughfare between Hayes and Fell streets and for Linden Street. The development to the east of Octavia Street was actively patronized by park users and contained a café, an ice cream shop, and an outdoor beer garden.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP – WEATHER
Weekday Morning	6/11/2015	80	59° F – Sunny
Weekday Midday	6/11/2015	183	66° F – Sunny
Weekday Afternoon	6/12/2015	121	73° F – Partly sunny
Weekend Morning	6/13/2015	142	62° F – Partly sunny
Weekend Midday	6/13/2015	167	72° F – Partly cloudy
Weekend Afternoon	6/13/2015	183	68° F – Mostly cloudy

TABLE 32: Park Use Observations

Overall, observed peak use at the park occurred weekday midday and weekend afternoon, however the park was observed to be actively used at all times.

Value of Sunlight

Portions of Patricia's Green would receive net new shadow from the Hub Plan, 30 Van Ness Avenue, 98 Franklin Street as well as both cumulative scenarios. The portions of Patricia's Green that would likely be most sensitive to the addition of net new shadow would be the children's play area, the park's fixed benches, and the tables and seating areas. All of these features would receive some net new shadow, the presence of which would be noticeable to users of the park present at that time. The timing of net new shadow under the Hub Plan, 30 Van Ness Avenue, 98 Franklin Street scenarios would be in the early morning prior to 9:00 a.m., and the children's play area, which would potentially be the most sensitive to additional shadow, would not receive net new shadow at any point later than 8:30 a.m., corresponding to times where lower overall levels of use would be typical.

Cumulative Scenarios 1 and 2 would generate additional shadows which would fall on Patricia's Green both in the morning and afternoon periods, affecting similar park areas from late summer through late spring. Areas additionally affected would be within the southern half of the park, and would include walkways, grassy areas, the children's play area, and fixed benches.

Patricia's Green Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Patricia's Green) for the Hub Plan Scenario (A1), the 30 Van Ness Avenue Project Scenario (A2) and the 98 Franklin Street Project Scenario (A3).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are included as Exhibits B2-D2 and diagrams for 98 Franklin Street are included as Exhibits B3-D3. All graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E8: Snapshot diagrams focused on Patricia's Green, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E7H), the 30 Van Ness Avenue Project Scenario (E7V), and the 98 Franklin Street Project Scenario (E7F) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Patricia's Green.

Exhibit F8: The full quantitative calculations for shadow conditions on Patricia's Green under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2. ■

XVI. ANALYSIS FINDINGS: McCOPPIN HUB

Existing Scenario

McCoppin Hub is a 0.10-acre (4,554 sf) public plaza under the jurisdiction on San Francisco Public Works.[7] Existing shadow patterns include substantial to complete early morning shadow cast across the park, with lesser midday shadow, then shadows encroaching from the west in afternoon, year-round.

Hub Plan Scenario

The Hub Plan would result in net new shadow cast on McCoppin Hub between late April and late August. On the affected dates, net new shadow would fall early in the morning for up to just under two hours prior to 9:00 a.m.

Net new shadow would affect all parts of the park at various times throughout the affected period (i.e., late April through late August). The most net new shadow due to the Hub Plan would occur around June 21st, when the park would be cast in shadow starting at 6:46 a.m., which would recede over the next two hours. The largest net new shadow cast by the Hub Plan would occur around 8:00 a.m. mid-June, and, at the moment of maximum shading, shadow all of McCoppin Hub.

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow that would fall on McCoppin Hub at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on the McCoppin Hub at any time throughout the year.

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7 Per scoping direction from Environmental Planning, as this public open space is not under the jurisdiction of RPD, neither quantitative shadow calculations nor use observation visits were conducted.

Cumulative Scenario 1

In the Cumulative Scenario 1, net new shadow would be similar to shadow under the Hub Plan scenario, with the exception of an additional small amount of net new shadow that would be cast by the 1270 Market Street project in the late afternoon over a few dates in mid-March and late September.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to the McCoppin Hub.

Value of Sunlight

All portions of McCoppin Hub would receive net new shadow from the Hub Plan, but the features that would likely be most sensitive to the addition of net new shadow would be the fixed benches. The presence of significant areas of net new shadow would be noticeable to users of the park present during affected times; however, the timing of net new shadow under all scenarios would be in the early morning prior to 8:30 a.m., corresponding to times where lower overall levels of park use would be typical.

Under Cumulative Scenarios 1 or 2, there would be a small amount of additional shadow cast on McCoppin Hub, affecting a small area on the eastern edge of the park for a short duration in the late afternoon near the equinoxes (September 20 and March 22). Cumulative shadows would affect a portion of the pedestrian stairs and ramp walkways and would not impact any fixed seating areas.

McCoppin Hub Analysis References

Exhibit A1: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including the McCoppin Hub) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset. ■

XVII. SOMA WEST SKATE AND DOG PARK

Existing Scenario

SOMA West Skate and Dog Park is a 0.68-acre public park under the jurisdiction on San Francisco Public Works.[8] Due to its location under an elevated freeway, existing shadow patterns include substantial shadow cast across the park during midday hours year-round, with partial sunlight cast in the early mornings and late afternoons.

Hub Plan Scenario

The Hub Plan would result in net new shadow cast on SOMA West Skate and Dog Park between mid-March and late September. Over the affected dates, net new shadow would fall early in the morning for just under two hours prior to 9:00 a.m.

Net new shadow would affect only the skate park section of the park, no net new shadow would reach the dog park at any time of year. The most net new shadow due to the Hub Plan would occur around June 21st, when the park would be cast in shadow starting at 6:46 a.m., with shadow receding over the next two hours. The largest net new shadow cast by the Hub Plan would occur around 7:30 a.m. mid-June, and, at the moment of maximum shading, cover less than 25% of the skateboard area of the SOMA West Skate and Dog Park.

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow that would fall on SOMA West Skate and Dog Park at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on the SOMA West Skate and Dog Park at any time throughout the year.

Cumulative Scenario 1

In the Cumulative Scenario 1, net new shadow would be similar to shadow under the Hub Plan scenario, with the exception of an additional small amount of net new shadow that would be cast by the 198 Valencia Street project in the mid to late afternoon between mid-August and early May.

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8 Per scoping direction from Environmental Planning, as this public open space is not under the jurisdiction of RPD, neither quantitative shadow calculations nor use observation visits were conducted.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to the SOMA West Skate and Dog Park.

Value of Sunlight

The eastern half skate park portion of the SOMA West Skate and Dog Park would receive net new shadow from the Hub Plan. The features that would likely be most sensitive to the addition of net new shadow would be the fixed benches on the dog park side of the park, but these would not be affected under the Hub Plan, the 30 Van Ness Avenue Project, or the 98 Franklin Street scenarios. The presence of the areas of net new shadow would not likely be noticeable to users of the park present during affected times due to the character and use of the park being active/transitory and the overall character of the park being typified as shaded due to its location under an elevated freeway.

Under Cumulative Scenarios 1 or 2, there would be a small amount of additional shadow cast on the SOMA West Skate and Dog Park, affecting portions of both the dog park and skate park areas with short duration in the late afternoon in the late summer and early fall and again from mid-winter through late spring. At the dog park,[9] new shading from Cumulative Scenarios 1 and 2 would affect the grassy dog play areas and two fixed benches . In the skate park, the concrete ramp area would receive new shadow; however, these users would likely be less impacted due to the relatively small amount of new shadow and the fact that the space is already significantly shaded due to the freeway overhead.

SOMA West Skate and Dog Park Analysis References

Exhibit A1: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including the SOMA West Skate and Dog Park) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset. ■

9 The dog park area would not be affected under the Hub Plan, 30 Van Ness Avenue, or 98 Franklin Street scenarios.

XVIII. ANALYSIS FINDINGS: FUTURE BRADY PARK

Existing Scenario

The future Brady Park will be an approximately 0.46-acre privately-owned public open space (POPOS).[10] The park would be surrounded by buildings which would cast shadows on the park in the early morning and afternoon with lower levels of shadow over the midday hours, year-round.

Hub Plan Scenario

The future Brady Park would receive new shading from the Hub Plan throughout the year in the morning hours typically between approximately 9 a.m. and 11 a.m. Over winter months afternoon shadow would arrive around 1 p.m. and remain on the park throughout the afternoon. All portions of the future Brady Park would receive some net new shadow from the Hub Plan at various times throughout the year.

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow cast on the future Brady Park.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow cast on the future Brady Park.

Cumulative Scenario 1

In the Cumulative Scenario 1, net new shadow would be the same as shadow cast under the Hub Plan scenario.

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10 Per scoping direction from Environmental Planning, as this publicly-accessible open space is not under the jurisdiction of RPD, quantitative shadow calculations were not conducted.

Cumulative Scenario 2

The shading conditions generated by Cumulative Scenario 2 would likely be identical to those generated by Cumulative Scenario 1.

Value of Sunlight

Based on the conceptual design program of Brady Park, features that would receive net new shadow from the Hub Plan include areas of hardscape, pathways, raised succulent gardens with seating walls, a play structure, landscape planting, sculpture, and the "porch" area with movable seating. While all features within the park would be affected, the features most sensitive to net new shadow would be the fixed seating areas and the play structure. Precise nature and duration of shading on particular features, as well as the nature and intensity of use of the future park is not known, pending the construction of this park, however it is likely that the late afternoon shadow cast on the more sensitive features of Brady Park would be more noticeable to park users than the effects of early morning shadow based on general patterns of use observed in other parks in San Francisco.

There would be no additional shadow cast on any feature of Brady Park under Cumulative Scenarios 1 or 2.

Brady Park Analysis References

Exhibit A1: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including the future Brady Park) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset. ■

XIX. ANALYSIS FINDINGS: CIVIC CENTER PLAZA

Existing Scenario

As shown on Table 33, the area of Civic Center Plaza is 5.12 acres (222,995 sf) and under current conditions the park receives 84,652,671 annual sfh of shadow. Based on a calculated TAAS of 829,854,584 sfh, Civic Center Plaza's existing annual shadow load is 10.20% of its TAAS. Existing shadow patterns include early morning shadow falling across the eastern portion of the park and late afternoon/evening shadow cast from the western edge, with little to no midday shadow except over winter months, when shadows encroaching from the south are cast on the southern edge of the park.

BASELINE CONDITIONS	CIVIC CENTER PLAZA
Area of Civic Center Plaza	5.12 acres (222,995 sf)
Theoretical Annual Available Sunlight (TAAS) for Civic Center Plaza (sfh)	829,854,584 sfh
Existing shadow as percentage of TAAS (in sfh)	10.20% (84,652,671 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	CIVIC CENTER PLAZA
Annual net new shadow on Civic Center Plaza as percentage of TAAS (in sfh)	0.06% (468,370 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	10.26% (85,121,040 sfh)
Approximate dates annually net new shadow would affect Civic Center Plaza	Approx. Nov 16 - Jan 24 (58-70 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.72% (12,191 sfh)
Date(s) and time of largest single area of net new shadow	Dec 20/Dec 21 at 1:45 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 11,227 sf (0.0%-5.0% of total area)
Average size of net net shadows, when present	4,955.77 sf (2.2% of total area)
Range in daily duration of net new shadow (+/- 13 min) / Average duration when present	Zero to 90 min / Approx. 84 min.
Date and duration of longest duration of new shading (duration variance +/- 13 min.)	Approx. 90 min on Nov 29 & Jan 11

TABLE 33: The Hub Plan quantitative shadow summary for Civic Center Plaza

Hub Plan Scenario

Also shown on Table 33, the Hub Plan would result in net new shadow cast on Civic Center Plaza, adding approximately 468,370 net new annual sfh of shadow and increasing the sfh of shadow by 0.06% annually above current levels. This increase would result in a new annual total shadow load of 10.26%.

Net new shadow from the Hub Plan would occur for up to 90 minutes in the early afternoon between approximately November 16th and January 24th. Net new shadow would fall only along the southern quarter of the park, affecting several grassy areas, several paved walkways as well a portion of one of the two children's play area.

The days of maximum net new shadow on the park due to the Hub Plan would occur on December 20th and 21st, when the Hub Plan would shade portions of the southern quarter of the park starting just before 1 p.m. and move eastward across the park over the course of approximately 90 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 90 minutes, with an average duration of about 84 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 1:45 p.m. on December 20th and 21st and cover 11,227 sf--equivalent to 5.0% of the total area of Civic Center Plaza. Throughout the affected period, the average size of shadows, when present, would be 4,956 sf (about 2.2% of the total park area).

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would also result in net new shadow cast on Civic Center Plaza, but as 30 Van Ness Avenue is the only Hub Plan site which would cast any net new shadow on Civic Center Plaza, the description of the size, amount, timing and locations of shadow under the Hub Plan Scenario is identical to that under the 30 Van Ness Avenue Project Scenario as described in the prior section.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on Civic Center Plaza at any time throughout the year.

Cumulative Scenario 1

Cumulative Scenario 1 would result in net new shadow cast on Civic Center Plaza, adding approximately 721,550 net new annual sfh of shadow and increasing the sfh of shadow by 0.09% annually above current levels. This increase would result in a new annual total shadow load of 10.29%.

Net new shadow from the Hub Plan would occur for up to 172 minutes a day over three periods in the early morning, mid-, and late afternoon/evening between approximately October 26th and February 14th. Net new shadow would fall only along the southern

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 1	CIVIC CENTER PLAZA
Annual net new shadow on Civic Center Plaza as percentage of TAAS (in sfh)	0.09% (721,550 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	10.29% (85,374,221 sfh)
Approximate dates annually net new shadow would affect Civic Center Plaza	Approx. Oct 26 - Feb 14 (100-112 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	1.07% (18,125 sfh)
Date(s) and time of largest single area of net new shadow	Dec 20/Dec 21 at 1:45 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 11,227 sf (0.0%-5.0% of total area)
Average size of net net shadows, when present	3,800.42 sf (1.7% of total area)
Range in daily duration of net new shadow (+/- 27 min) / Average duration when present	Zero to 172 min / Approx. 106 min.
Date and duration of longest duration of new shading (duration variance +/- 27 min.)	Approx. 172 min on Dec 13 & Dec 28

TABLE 34: Cumulative Scenario 1 summary for Civic Center Plaza

half of the park, affecting several grassy areas, several paved walkways, as well a portion of one of the two children's play area.

The days of maximum net new shadow on the park due to Cumulative Scenario 1 would occur on December 20th and 21st, when southern half of the park over three periods: starting at 8:10 a.m. through just before 9 a.m., between just before 1:00 p.m. through just after 2:15 p.m. and just after 3:30 p.m. though the end of the daily analysis period at 3:51 p.m. The duration of Cumulative Scenario 1-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 172 minutes with an average duration of about 106 minutes across all affected dates.

The largest net new shadow cast by Cumulative Scenario 1 would occur at 1:45 p.m. on December 20th and 21st and cover 11,227 sf--equivalent to 5.0% of the total area of Civic Center Plaza. Throughout the affected period, the average size of shadows, when present, would be 3,542 sf (about 1.6% of the total park area).

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to Civic Center Plaza.

Observed Uses

Within the six 30-minute observation periods conducted by PreVision Design on December 4th and 8th, 2018, the number of users in Civic Center Plaza ranged from approximately 280 to 900, with uses that varied at different times of day and days of the week. It is visited daily by large numbers of users that pass-through on their way to or from city hall or other nearby destinations. The grassy areas included a number of

users sitting. The plaza is also used on a periodic basis for larger or special events or rallies, and over the course of the observation visits there was a holiday ice skating rink and in the afternoon on December 8th a Santa Claus visiting area was open. See Table 35 for an observation summary.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	12/4/2018	About 280	55° F - Cloudy
Weekday Midday	12/4/2018	About 325	56° F – Cloudy
Weekday Afternoon	12/4/2018	About 450	56° F – Cloudy
Weekend Morning	12/8/2018	About 455	54° F – Partly Sunny
Weekend Midday	12/8/2018	About 800	55° F – Partly Sunny
Weekend Afternoon	12/8/2018	About 900	55° F – Partly Sunny

TABLE 35: Civic Center Park Use Observations

Overall, Civic Center Plaza was observed to be actively used at all times, with peak use occurring over the weekend visits, especially in the afternoon. Over the course of the use observation visits, between 45-75% of park users were observed to be passing through, with the remainder using the park as a destination. The ice skating rink drew high numbers of weekend visitors (100-170) while fewer were observed on weekdays (10-40). The children's play areas were observed to have between 25-150 users with the peak use occurring on the weekend afternoon coinciding with the Santa Clause Visiting area. The northern play area was observed across all visits to have higher numbers of users than the southern play area. The cafe kiosk was observed to attract between 10-30 users across the park visits, with customers standing in line or eating at the movable cafe tables. Relatively few users (5-10) were observed using the grassy areas over the course of the observation visits.

Value of Sunlight

The portions of Civic Center Plaza that would receive net new shadow from the Hub Plan, 30 Van Ness Avenue Project and the Cumulative Scenarios 1 and 2 include several grassy areas, several paved walkways as well a portion of the southern children's play area and the cafe kiosk. The children's play area would be considered a feature more sensitive to additional shadow and for up to 30 minutes in the early afternoon, the Hub Plan, 30 Van Ness Avenue Project and the cumulative scenarios would cast shadow over up to half of the playground's area. Other features receiving new shading could be characterized as being of lower sensitivity due to the fact they their use is either typically transitory in nature (walkways) or are features that are similar to many other nearby areas in the park (grassy areas) that would be unshaded at the times affected by net new shadow from the Hub Plan or 30 Van Ness Avenue.

Under Cumulative Scenarios 1 and 2, additional early morning as well as late afternoon winter shadow would fall on the southern half of the park. Cumulative shadow would affect several grassy areas, paved walkways, a portion of the café kiosk eating area, and approximately the southern 2/3rds of the southern children's play area. On the winter solstice (December 20) net new cumulative shadow would be present on the café kiosk eating area for a few minutes around 9:00 a.m., and on the play area for a few minutes prior to 9:00 a.m. and again starting around 3:40 p.m. and would last through the end of the analysis period at 3:54 p.m. (approximately 15 minutes).

Civic Center Plaza Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Civic Center Plaza) for the Hub Plan Scenario (A1) and the 30 Van Ness Avenue Project Scenario (A2).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are included as Exhibits B2-D2. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E9: Snapshot diagrams focused on Civic Center Plaza, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E8H) and the 30 Van Ness Avenue Project Scenario (E8V) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Civic Center Plaza.

Exhibit F9: The full quantitative calculations for shadow conditions on Civic Center Plaza under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2.■

XX. ANALYSIS FINDINGS: FUTURE 11TH AND NATOMA PARK SITE

Existing Scenario

As shown in Table 36, the area of the 11th and Natoma Park Site is 0.45 acre (19,570 sf) and under current conditions the park would receive (assuming the removal of existing buildings on site) 16,085,624 annual sfh of shadow. Based on a calculated TAAS of 72,829,287sfh, the 11th and Natoma Park Site's existing annual shadow load would be 22.09% of its TAAS. Existing shadow patterns include early morning and later afternoon shadow falling over the majority of the park, with little to no midday and early afternoon shadow year-round.

BASELINE CONDITIONS	11TH/NATOMA RPD PARK SITE
Area of 11th/Natoma RPD Park Site	0.45 acres (19,570 sf)
Theoretical Annual Available Sunlight (TAAS) for 11th/Natoma RPD Park Site (sfh)	72,829,287 sfh
Existing shadow as percentage of TAAS (in sfh)	22.09% (16,085,624 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	11TH/NATOMA RPD PARK SITE
Annual net new shadow on 11th/Natoma RPD Park Site as percentage of TAAS (in sfh)	6.77% (4,931,925 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	28.86% (21,017,549 sfh)
Approximate dates annually net new shadow would affect 11th/Natoma RPD Park Site	Approx. 4/6 - 9/5 & 9/7 - 4/4 (351-363 days)
Dates of maximum new shading from proposed Project (max sfh)	Jan 18 & Nov 22
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	17.20% (26,721 sfh)
Date(s) and time of largest single area of net new shadow	Dec 6/Jan 4 at 2:45 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 18,233 sf (0.0%-93.2% of total area)
Average size of net net shadows, when present	8,269.36 sf (42.3% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 134 min / Approx. 101 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 134 min on Nov 29 & Jan 11

TABLE 36: The Hub Plan quantitative shadow summary for the future 11th and Natoma Park site

Hub Plan Scenario

Also shown on Table 36, the Hub Plan would result in net new shadow cast on 11th and Natoma Park Site, adding approximately 4,931,925 net new annual sfh of shadow and increasing the sfh of shadow by 6.77% annually above current levels. This increase would result in a new annual total shadow load of 28.86%.

Net new shadow from the Hub Plan would occur in the late afternoon and early evening and be present for up to 134 minutes between approximately April 6th and September 5th and again between September 7th and April 4th. Net new shadow would be cast over all but a small northern section of the park area.

The days of maximum net new shadow on the park due to the Hub Plan would occur on January 18th and November 22nd, when the Hub Plan would shade the western corner of the park starting just prior to 2 p.m. and grow in size for approximately 120 minutes through the end of the daily analysis period (3:54 p.m.) covering the majority of the park's area. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 134 minutes, with an average duration of about 101 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 2:45 p.m. on December 6th and January 4th and cover 18,233--equivalent to 93.2% of the total area of the 11th and Natoma Park Site. Throughout the affected period, the average size of shadows, when present, would be 829 sf (about 12.6% of the total park area).

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow that would fall on 11th and Natoma Park Site at any time throughout the year.

98 Franklin Street Project Scenario

As shown on Table 37, the proposed 98 Franklin Street Project would also result in net new shadow cast on the 11th and Natoma Park Site, adding approximately 112,157 net new annual sfh of shadow and increasing the sfh of shadow by 0.15% annually above current levels. This increase would result in a new annual total shadow load of 22.24%.

Net new shadow from 98 Franklin Street would occur in the late afternoon / early evening for up to 33 minutes between approximately May 4th and August 8th. Net new shadow would fall only on the southern half of the park.

The day of maximum net new shadow on the park due to 98 Franklin Street would occur on June 21st, when the 98 Franklin Street Project would shade the southern half of the park starting just prior to 7 p.m. and be present for approximately 33 minutes. The duration of 98 Franklin Street-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 33 minutes with an average duration of about 26 minutes across all affected dates.

NEW SHADOW CAST BY THE PROPOSED 98 FRANKLIN PROJECT	11TH/NATOMA RPD PARK SITE
Annual net new shadow on 11th/Natoma RPD Park Site as percentage of TAAS (in sfh)	0.15% (112,157 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	22.24% (16,197,781 sfh)
Approximate dates annually net new shadow would affect 11th/Natoma RPD Park Site	Approx. May 4 - Aug 8 (85-97 days)
Dates of maximum new shading from proposed Project (max sfh)	June 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.70% (1,767 sfh)
Date(s) and time of largest single area of net new shadow	June 21 at 7:00 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 4,256 sf (0.0%-21.7% of total area)
Average size of net net shadows, when present	2,612.59 sf (13.3% of total area)
Range in daily duration of net new shadow (+/- 17 min) / Average duration when present	Zero to 33 min / Approx. 26 min.
Date and duration of longest duration of new shading (duration variance +/- 17 min.)	Approx. 33 min on June 21

TABLE 37: 98 Franklin Street Quantitative shadow summary for the 11th and Natoma Park Site

The largest net new shadow cast by 98 Franklin Street would occur at 7:00 p.m. on June 21st and cover 4,256 sf--equivalent to 21.7% of the total area of the 11th and Natoma Park Site. Throughout the affected period, the average size of shadows, when present, would be 2,613 sf (about 13.3% of the total park area).

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would result in an increase of 0.32% (427,055 sfh) of shadow on 11th and Natoma Park Site, identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on 11th and Natoma Park Site.

Cumulative Scenario 2

As shown on Table 38, cumulative Scenario 2 would result in net new shadow cast on the 11th and Natoma park site, adding approximately 5,334,624 net new annual sfh of shadow and increasing the sfh of shadow by 7.33% annually above current levels. This increase would result in a new annual total shadow load of 29.42%.

Net new shadow from the Hub Plan would occur for up to 134 minutes a day over three periods in the late afternoon/evening year-round. Net new shadow would be cast over all but a small northern section of the park area.

The days of maximum net new shadow on the park due to Cumulative Scenario 2 would occur on January 18th and November 22nd starting just before 2:00 p.m., through though the end of the daily analysis period at 3:54 p.m. The duration of Cumulative Scenario 2-generated net new shadow would vary throughout the year, with net new

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 2	11TH/NATOMA RPD PARK SITE
Annual net new shadow on 11th/Natoma RPD Park Site as percentage of TAAS (in sfh)	7.33% (5,334,824 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	29.42% (21,420,448 sfh)
Approximate dates annually net new shadow would affect 11th/Natoma RPD Park Site	Year-round (365 days annually)
Dates of maximum new shading from proposed Project (max sfh)	Jan 18 & Nov 22
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	17.20% (26,721 sfh)
Date(s) and time of largest single area of net new shadow	Dec 6/Jan 4 at 2:45 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 18,233 sf (0.0%-93.2% of total area)
Average size of net net shadows, when present	8,586.62 sf (43.9% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	01 min to 134 min / Approx. 101 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 134 min on Nov 29 & Jan 11

TABLE 38: Cumulative Scenario 2 summary for the 11th and Natoma Park Site

shadow lasting between zero and 134 minutes, with an average duration of about 101 minutes across all dates.

The largest net new shadow cast by Cumulative Scenario 2 would occur at 2:45 p.m. on December 6th and January 4th and cover 18,233 sf--equivalent to 93.2% of the total area of the 11th and Natoma park site. Throughout the affected period, the average size of shadows, when present, would be 8,587 sf (about 43.9% of the total park area).

Value of Sunlight

As the 11th/Natoma Park site is not yet built and no future programming information has been developed or approved, the possible features affected and qualitative impacts of new shadow under the Hub Plan, 30 Van Ness Avenue, 98 Franklin Street, or either cumulative scenario on such features are undetermined and cannot be calculated.

11th and Natoma Park Site Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including 11th and Natoma Park Site) for the Hub Plan Scenario (A1) and the 98 Franklin Street Project Scenario (A3).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 98 Franklin Street Project Scenario on the same dates are included as Exhibits B3-D3. Graphics depict shadow conditions at

hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E10: Snapshot diagrams focused on 11th and Natoma Park Site, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E9H) and the 98 Franklin Street Project Scenario (E9F) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on 11th and Natoma Park Site.

Exhibit F10: The full quantitative calculations for shadow conditions on 11th and Natoma Park Site under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2. ■

XXI. ANALYSIS FINDINGS: UNITED NATIONS PLAZA

Existing Scenario

The area of United Nations Plaza is a 2.35-acre (102,227 sf) public plaza under the jurisdiction of San Francisco Public Works. Under current conditions, shadow patterns include early morning and later afternoon shadow falling over the majority of the plaza with little to no midday and early afternoon shadow year-round.

Hub Plan Scenario

The Hub Plan would result in net new shadow cast on United Nations Plaza, adding a small amount of net new shadow that would occur for up to 45 minutes in the late afternoon between late November and mid-January. Net new shadow would fall only on a small northern portion of the plaza and a tiny sliver of the edge of the plaza adjacent to Market Street, affecting one public entry point and a BART/Muni access stair.

The days of maximum net new shadow on the plaza due to the Hub Plan would occur around December 21st, when the Hub Plan would shade the northern corner of the plaza starting just before 3 p.m. and be present for approximately 45 minutes. The largest net new shadow cast by the Hub Plan would occur in the late afternoon and would cover less than 5% of the total area of United Nations Plaza.

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would also result in net new shadow cast on United Nations Plaza, adding a small amount of net new shadow that would occur for up to 45 minutes in the late afternoon between late November and mid-January. Net new shadow would fall only on a small northern portion of the plaza, affecting one public entry point and a BART/Muni access stair.

The days of maximum net new shadow on the park due to 30 Van Ness Avenue would occur around December 21st, when the 30 Van Ness Avenue Project would shade the northern corner of the plaza starting after 3 p.m. and be present for approximately 30 minutes. The largest net new shadow cast by 30 Van Ness Avenue would occur in the late afternoon and would cover less than 5% of the total area of United Nations Plaza.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on United Nations Plaza at any time throughout the year.

Cumulative Scenario 1

Cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity would be identical to the increase under the Hub Plan Scenario due to the fact that no additional cumulative projects in the vicinity would cast shadow on United Nations Plaza.

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to United Nations Plaza.

Value of Sunlight

The portions of United Nations Plaza that would receive net new shadow from the Hub Plan and 30 Van Ness Avenue include a plaza point of entry and a BART/Muni access stair. As such, features receiving new shading could be characterized as being of lower sensitivity due to the fact they their use is typically transitory in nature.

There would be no additional shadow cast on any feature of United Nations Plaza under Cumulative Scenarios 1 or 2.

United Nations Plaza Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including United Nations Plaza) for the Hub Plan Scenario (A1) and the 30 Van Ness Avenue Project Scenario (A2).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are included as Exhibits B2-D2. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset. ■

XXII. ANALYSIS FINDINGS: HOWARD AND LANGTON MINI PARK

Existing Scenario

As shown on Table 39, the area of Howard and Langton Mini Park is 0.23 acre (10,218 sf) and under current conditions the park receives 15,600,472 annual sfh of shadow. Based on a calculated TAAS of 38,026,625 sfh, Howard and Langton Mini Park's existing annual shadow load is 41.025% of its TAAS. Existing shadow patterns include early morning and later afternoon shadow falling over the majority of the plaza with little to no midday and early afternoon shadow year-round.

BASELINE CONDITIONS	HOWARD & LANGTON MINI PARK
Area of Howard & Langton Mini Park	0.23 acres (10,218 sf)
Theoretical Annual Available Sunlight (TAAS) for Howard & Langton Mini Park (sfh)	38,026,625 sfh
Existing shadow as percentage of TAAS (in sfh)	41.025% (15,600,472 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	HOWARD & LANGTON MINI PARK
Annual net new shadow on Howard & Langton Mini Park as percentage of TAAS (in sfh)	0.034% (12,767 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	41.059% (15,613,239 sfh)
Approximate dates annually net new shadow would affect Howard & Langton Mini Park	Approx. 2/16 - 3/21 & 9/21 - 10/24 (56-68 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 8 & Oct 4
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.458% (451 sfh)
Date(s) and time of largest single area of net new shadow	Oct 4/Mar 8 at 5:30 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,671 sf (0.0%-16.4% of total area)
Average size of net net shadows, when present	1,140.98 sf (11.2% of total area)
Range in daily duration of net new shadow (+/- 15 min) / Average duration when present	Zero to 17 min / Approx. 12 min.
Date and duration of longest duration of new shading (duration variance +/- 15 min.)	Approx. 17 min on Oct 4 & Mar 8

TABLE 39: The Hub Plan quantitative shadow summary for Howard and Langton Mini Park

Hub Plan Scenario

Also shown on Table 39, the Hub Plan would result in net new shadow cast on Howard and Langton Mini Park, adding approximately 12,767 net new annual sfh of shadow and increasing the sfh of shadow by 0.034% annually above current levels. This increase would result in a new annual total shadow load of 41.059%.

Net new shadow from the Hub Plan would occur within the last 17 minutes of the daily analysis period between approximately February 16th and March 21st and again between September 21st and October 24th. Net new shadow would fall only on the norther corner of the park, affecting the public entry gate and a portion of the community garden.

The days of maximum net new shadow on the park due to the Hub Plan would occur on March 8th and October 4th, when the Hub Plan would shade the northern corner of the park starting just before 5:30 p.m. and be present for approximately 15 minutes. The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 17 minutes, with an average duration of about 12 minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 5:30 p.m. on March 8th and October 4th and cover 3,522 sf--equivalent to 16.4% of the total area of Howard and Langton Mini Park. Throughout the affected period, the average size of shadows, when present, would be 1,141 sf (about 11.2% of the total park area).

NEW SHADOW CAST BY THE PROPOSED 30 VAN NESS PROJECT	HOWARD & LANGTON MINI PARK
Annual net new shadow on Howard & Langton Mini Park as percentage of TAAS (in sfh)	0.004% (1,584 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	41.029% (15,602,056 sfh)
Approximate dates annually net new shadow would affect Howard & Langton Mini Park	Approx. 3/9 - 3/21 & 9/21 - 10/3 (14-26 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 15 & Sep 27
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.116% (117 sfh)
Date(s) and time of largest single area of net new shadow	Sep 27/Mar 15 at 5:58 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,067 sf (0.0%-10.4% of total area)
Average size of net net shadows, when present	1,066.74 sf (10.4% of total area)
Range in daily duration of net new shadow (+/- 15 min) / Average duration when present	Zero to 7 min / Approx. 7 min.
Date and duration of longest duration of new shading (duration variance +/- 15 min.)	Approx. 7 min on Sep 27 & Mar 15

TABLE 40: 30 Van Ness Avenue Quantitative shadow summary for the Howard and Langton Mini Park

30 Van Ness Avenue Project Scenario

As shown by Table 40, the proposed 30 Van Ness Avenue Project would also result in net new shadow cast on Howard and Langton Mini Park, adding approximately 1,584 net new annual sfh of shadow and increasing the sfh of shadow by 0.004% annually above current levels. This increase would result in a new annual total shadow load of 41.029%.

Net new shadow from 30 Van Ness Avenue would occur for up to seven minutes in the late afternoon between approximately March 9th and 21st and again between

September 21st and October 3rd. Net new shadow would fall only on a small portion of the north corner of the park, affecting the public entry gate and part of the community garden.

The days of maximum net new shadow on the park due to 30 Van Ness Avenue would occur on March 15th and September 27th, when the 30 Van Ness Avenue Project would shade the northern corner of the park starting at approximately 5:51 p.m. and be present for approximately seven minutes (until the end of the daily analysis period). The duration of 30 Van Ness Avenue-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and seven minutes.

The largest net new shadow cast by 30 Van Ness Avenue would occur at 5:58 p.m. on March 15th and September 27th and cover 1,067 sf--equivalent to 10.4% of the total area of Howard and Langton Mini Park. Throughout the affected period, the average size of shadows, when present, would be 1,067 sf (about 10.4% of the total park area).

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on Howard and Langton Mini Park at any time throughout the year.

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 1	HOWARD & LANGTON MINI PARK
Annual net new shadow on Howard & Langton Mini Park as percentage of TAAS (in sfh)	0.054% (20,590 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	41.079% (15,621,062 sfh)
Approximate dates annually net new shadow would affect Howard & Langton Mini Park	Approx. 2/16 - 4/4 & 9/7 - 10/24 (84-96 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 8 & Oct 4
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.458% (451 sfh)
Date(s) and time of largest single area of net new shadow	Sep 20/Mar 22 at 6:09 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,856 sf (0.0%-18.2% of total area)
Average size of net net shadows, when present	1,209.55 sf (11.8% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	Zero to 17 min / Approx. 13 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 17 min on Sep 20 & Mar 22

TABLE 41: Cumulative Scenario 1 summary for the Howard and Langton Mini Park

Cumulative Scenario 1

As shown by Table 41, Cumulative Scenario 1 would result in net new shadow cast on the Howard and Langton Mini Park, adding approximately 20,590 net new annual sfh of shadow and increasing the sfh of shadow by 0.54% annually above current levels. This increase would result in a new annual total shadow load of 41.079%.

Net new shadow from Cumulative Scenario 1 would occur for up to 17 minutes a day in the late afternoon between February 16th and April 4th and again between September 7th and October 24th. Net new shadow would be cast over a small northern section of the park.

The days of maximum net new shadow on the park due to Cumulative Scenario 1 would occur on March 8th and October 4th for about 15 minutes near 5:30 p.m. The duration of Cumulative Scenario 1-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 17 minutes with an average duration of about 13 minutes across all dates

The largest net new shadow cast by Cumulative Scenario 1 would occur at 6:09 p.m. on September 20th and March 22nd and cover 1,856 sf--equivalent to 18.2% of the total area of the Howard and Langton Mini Park. Throughout the affected period, the average size of shadows, when present, would be 1,210 sf (about 11.8% of the total park area).

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to Howard and Langton Mini Park.

Observed Uses

As shown on Table 42, within the six 30-minute observation periods conducted by PreVision Design on December 4th and 8th, 2018, the observed usage varied from one to nine users. Most park users were observed to be gardening, with some users using one of the two tables to eat, read or socialize.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	12/4/2018	6	55° F - Cloudy
Weekday Midday	12/4/2018	2	56° F – Cloudy
Weekday Afternoon	12/4/2018	3	56° F – Cloudy
Weekend Morning	12/8/2018	1	54° F – Partly Sunny
Weekend Midday	12/8/2018	9	55° F – Partly Sunny
Weekend Afternoon	12/8/2018	4	55° F – Partly Sunny

TABLE 42: Park Use Observations

Overall, observed peak use at the park occurred weekend midday and weekend afternoon, and overall use of the park based on these observations could be characterized as low to moderate.

Value of Sunlight

The portions of Howard and Langton Mini Park that would receive net new shadow from the Hub Plan, the 30 Van Ness Avenue Project and under the cumulative scenarios would include the public point of entry and portions of the community garden. While some users of the community garden may notice the presence of a small amount of net new shadow if they were to be present during the affected period, the short duration and limited number of dates annually of net new shadow would be unlikely to affect the use and enjoyment of the park or make any impact on plant health and growth.

Under Cumulative Scenarios 1 and 2, additional late afternoon shadows would fall on a small northern section of the park from mid-winter through mid-spring and again in the fall, affecting a small portion of the community garden area.

Howard and Langton Mini Park Analysis References

Exhibit A: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including Howard and Langton Mini Park) for the Hub Plan Scenario (A1) and the 30 Van Ness Avenue Project Scenario (A2).

Exhibits B-D: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Diagrams for the 30 Van Ness Avenue Project Scenario on the same dates are included as Exhibits B2-D2. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E11: Snapshot diagrams focused on Howard and Langton Mini Park, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E10H) and the 30 Van Ness Avenue Project Scenario (E10V) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on Howard and Langton Mini Park.

Exhibit F11: The full quantitative calculations for shadow conditions on Howard and Langton Mini Park under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2.■

XXIII. ANALYSIS FINDINGS: GENE FRIEND RECREATION CENTER

Existing Scenario

As shown on Table 43, the area of the Gene Friend Recreation Center is 1.02 acres (44,351 sf) and under current conditions the park receives 79,707,759 annual sfh of shadow. Based on a calculated TAAS of 165,049,284 sfh, Gene Friend Recreation Center's existing annual shadow load is 48.2933% of its TAAS. Existing shadow patterns include early morning and later afternoon shadow falling over the majority of the park with little to no midday and early afternoon shadow cast on open areas of the park year-round.

BASELINE CONDITIONS	GENE FRIEND REC CENTER
Area of Gene Friend Rec Center	1.02 acres (44,351 sf)
Theoretical Annual Available Sunlight (TAAS) for Gene Friend Rec Center (sfh)	165,049,284 sfh
Existing shadow as percentage of TAAS (in sfh)	48.2933% (79,707,759 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	GENE FRIEND REC CENTER
Annual net new shadow on Gene Friend Rec Center as percentage of TAAS (in sfh)	0.0004% (700 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	48.2937% (79,708,459 sfh)
Approximate dates annually net new shadow would affect Gene Friend Rec Center	Approx. 2/16 - 2/28 & 10/12 - 10/24 (14-26 days)
Dates of maximum new shading from proposed Project (max sfh)	Feb 22 & Oct 18
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.0129% (52 sfh)
Date(s) and time of largest single area of net new shadow	Oct 18/Feb 22 at 5:27 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 519 sf (0.0%-1.2% of total area)
Average size of net net shadows, when present	518.83 sf (1.2% of total area)
Range in daily duration of net new shadow (+/- 5 min) / Average duration when present	Zero to 6 min / Approx. 6 min.
Date and duration of longest duration of new shading (duration variance +/- 5 min.)	Approx. 6 min on Oct 18 & Feb 22

TABLE 43: The Hub Plan Quantitative shadow summary for the Gene Friend Recreation Center

Hub Plan Scenario

Also shown on Table 43, the Hub Plan would result in net new shadow cast on the Gene Friend Recreation Center, adding approximately 700 sfh net new annual sfh of shadow and increasing the sfh of shadow by 0.0004% annually above current levels. This increase would result in a new annual total shadow load of 48.2937%.

Net new shadow from the Hub Plan would occur within the last six minutes of the daily analysis period between February 16th and 28th and again between October 12th and 24th. Net new shadow would fall only on a very small area in the northeast portion of the park, affecting a small portion of the basketball court.

The days of maximum net new shadow on the park due to the Hub Plan would occur on February 22nd and October 18th, when the Hub Plan would shade a portion of the basketball court starting at 5:27 p.m. and be present for approximately six minutes (until the end of the daily analysis period). The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and six minutes, with an average duration of about six minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 5:27 p.m. on February 22nd and October 18th and cover 519 sf--equivalent to 1.2% of the total area of the Gene Friend Recreation Center. Throughout the affected period, the average size of shadows, when present, would be 519 sf (about 1.2% of the total park area).

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow that would fall on Gene Friend Recreation Center at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on the Gene Friend Recreation Center at any time throughout the year.

Cumulative Scenario 1

As shown on Table 44, cumulative net new shadow from the Hub Plan combined with the other planned projects in the vicinity, would result in an increase of 1.3242% (2,185,557 sfh) of shadow on the Gene Friend Recreation Center. This increase would result in a new annual total shadow load of 49.6175%.

Net new shadow from the Cumulative Scenario 1 would occur for up to 230 minutes a day in the early morning as well as the late afternoon between January 19th and November 21st.

The days of maximum net new shadow on the park due to Cumulative Scenario 1 would occur on May 17th and July 26th when morning shadow would be cast starting at 7:07 a.m. through just after 9:00 a.m. and again starting just prior to 6:00 p.m. through the

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 1	GENE FRIEND REC CENTER
Annual net new shadow on Gene Friend Rec Center as percentage of TAAS (in sfh)	1.3242% (2,185,557 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	49.6175% (81,893,315 sfh)
Approximate dates annually net new shadow would affect Gene Friend Rec Center	Approx. Jan 19 - Nov 21 (295-307 days)
Dates of maximum new shading from proposed Project (max sfh)	May 17 & Jul 26
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	2.4253% (13,231 sfh)
Date(s) and time of largest single area of net new shadow	Sep 20/Mar 22 at 7:57 AM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 17,533 sf (0.0%-39.5% of total area)
Average size of net net shadows, when present	4,286.39 sf (9.7% of total area)
Range in daily duration of net new shadow (+/- 13 min) / Average duration when present	Zero to 230 min / Approx. 116 min.
Date and duration of longest duration of new shading (duration variance +/- 13 min.)	Approx. 230 min on June 21

TABLE 44: Cumulative Scenario 1 summary for the Gene Friend Recreation Center

end of the daily analysis period at 7:25 p.m. The duration of Cumulative Scenario 1-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and 230 minutes with an average duration of about 116 minutes across all affected dates

The largest net new shadow cast by Cumulative Scenario 1 would occur at 7:57 a.m. on September 20th and March 22nd and cover 17,533 sf--equivalent to 39.5% of the total area of Gene Friend Recreation Center. Throughout the affected period, the average size of shadows, when present, would be 4,286 sf (about 9.7% of the total park area).

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to the Gene Friend Recreation Center.

Observed Uses

Within the six 30-minute observation periods conducted by PreVision Design between October 22nd and 31st, 2015, the intensity of park usage varied from a low count of 10 users on a weekend morning to a peak intensity of 59 users occurring on a weekday afternoon. A majority of observed users were entering or exiting the recreation center from the Harriet Street entrance. Benches were consistently used with approximately two to nine users sitting, relaxing or socializing, with the exception of the weekend afternoon. Similar levels of use were observed at the basketball court with approximately one to 21 users shooting hoops or playing competitively, sitting in the bleachers or skateboarding, with the exception of weekday mid-day. It was observed that the intensity of the park was highest during the weekday afternoon, likely due to

after-school activities. During this time, all areas of the park were utilized, including the lawn for playing as well as the jungle gym. At other times, the predominant usage was for sitting, relaxing and socializing on benches, bleachers or concrete ledges by the play area. One user was observed shooting hoops on a weekday morning and weekend mid-day and two users were observed walking their dogs during the weekend mid-day.

Approximately three to six park and recreation center workers were observed during the morning observation periods but are not included in the user tabulation below because their activity was not recreational in nature. See Table 45 for an observation summary.

OBSERVATION TIME	DATE OF VISIT	PARK USERS	TEMP - WEATHER
Weekday Morning	10/29/2015	17	56° F - Fair
Weekday Midday	10/22/2015	12	66° F – Partly Cloudy
Weekday Afternoon	10/23/2015	59	70° F – Partly Sunny
Weekend Morning	10/31/2015	10	60° F - Fair
Weekend Midday	10/31/2015	15	69° F - Fair
Weekend Afternoon	10/31/2015	19	73° F – Partly Cloudy

TABLE 45: Gene Friend Recreation Center Park Use Observations

Overall observed peak use of the park occurred on a weekday afternoon, with other times being used by 1/3 or fewer patrons. Accordingly, intensity of use varied, but could be characterized as low to moderate size.

Value of Sunlight

The portions of Gene Friend Recreation Center that would receive net new shadow from the Hub Plan would include a small portion of the basketball court. While this area could be considered to be of moderate sensitivity, the extremely small area of shading and its short duration would make it unlikely that park users would be adversely affected. Under cumulative scenarios, while more of the park's area and features would be shaded, this would occur during early morning hours prior to the opening of the park.

Under Cumulative Scenarios 1 and 2, additional early morning and late afternoon shadows would fall on portions of the Gene Friend Recreation Center building from mid-winter through mid-fall for up to approximately 3 hours and 50 minutes a day. Morning shadows would be most pronounced around the equinoxes (September 20 and March 22) when the majority of the park (all features) would be cast in morning shadow around 8:00 a.m. with shadow retreating and leaving the park by approximately 9:00 a.m. Afternoon shadows would be most substantial near the summer solstice (June 21), when shadow would enter the park from the north and extend southward until the end

of the analysis period at 7:36 p.m., at which point all the park's features would again be cast in shadow.

Gene Friend Recreation Center Analysis References

Exhibit A1: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including the Gene Friend Recreation Center) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E12: Snapshot diagrams focused on Gene Friend Recreation Center, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E11H) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on the Gene Friend Recreation Center.

Exhibit F12: The full quantitative calculations for shadow conditions on the Gene Friend Recreation Center under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2.

XXIV. ANALYSIS FINDINGS: VICTORIA MANALO DRAVES PARK

Existing Scenario

As shown on Table 46, the area of the Victoria Manalo Draves Park is 2.53 acres (109,997 sf) and under current conditions the park receives 26,337,361 annual sfh of shadow. Based on a calculated TAAS of 409,342,836 sfh, Victoria Manalo Draves Park's existing annual shadow load is 6.43% of its TAAS. Existing shadows are cast by buildings surrounding the park on all 4 sides, with the southern and eastern sides of the park cast in shadow during morning hours, few shadows throughout the midday hours, with increasing shadows entering the park's western and northern sides in the afternoon.

BASELINE CONDITIONS	VICTORIA MANALO DRAVES PARK
Area of Victoria Manalo Draves Park	2.53 acres (109,997 sf)
Theoretical Annual Available Sunlight (TAAS) for Victoria Manalo Draves Park (sfh)	409,342,836 sfh
Existing shadow as percentage of TAAS (in sfh)	6.43% (26,337,361 sfh)

NEW SHADOW CAST BY THE PROPOSED THE HUB PLAN EIR PROJECT	VICTORIA MANALO DRAVES PARK
Annual net new shadow on Victoria Manalo Draves Park as percentage of TAAS (in sfh)	0.01% (45,921 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	6.44% (26,383,283 sfh)
Approximate dates annually net new shadow would affect Victoria Manalo Draves Park	Approx. 3/2 - 3/21 & 9/21 - 10/10 (28-40 days)
Dates of maximum new shading from proposed Project (max sfh)	Mar 8 & Oct 4
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.19% (2,010 sfh)
Date(s) and time of largest single area of net new shadow	Oct 4/Mar 8 at 5:47 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 14,357 sf (0.0%-13.1% of total area)
Average size of net net shadows, when present	13,502.25 sf (12.3% of total area)
Range in daily duration of net new shadow (+/- 7 min) / Average duration when present	Zero to 09 min / Approx. 8 min.
Date and duration of longest duration of new shading (duration variance +/- 7 min.)	Approx. 9 min on Oct 4 & Mar 8

TABLE 46: The Hub Plan Quantitative shadow summary for Victoria Manalo Draves Park

Hub Plan Scenario

Also shown on Table 46, the Hub Plan would result in net new shadow cast on the Victoria Manalo Draves Park, adding approximately 45,921 net new annual sfh of shadow and

increasing the sfh of shadow by 0.01% annually. This increase would result in a new annual total shadow load of 6.44%.

Net new shadow from the Hub Plan would occur within the last nine minutes of the daily analysis period between approximately March 2nd and 21st and again between September 21st and October 10th. Net new shadow would fall only on portions of the north and central sections of the park, affecting one public entry point, the basketball court, a portion of one of the children's play areas, several fixed seating areas, as well as paved walkways and some grassy or landscaped areas.

The days of maximum net new shadow on the park due to the Hub Plan would occur on March 8th and October 4th, when the Hub Plan would shade the northern corner of the park starting at approximately 5:38 p.m. and be present for approximately nine minutes (until the end of the daily analysis period). The duration of the Hub Plan-generated net new shadow would vary throughout the year, with net new shadow lasting between zero and nine minutes with an average duration of about eight minutes across all affected dates.

The largest net new shadow cast by the Hub Plan would occur at 5:47 p.m. on March 8th and October 4th and cover 14,357 sf--equivalent to 13.1% of the total area of the Victoria Manalo Draves Park. Throughout the affected period, the average size of shadows, when present, would be 13,502 sf (about 12.3% of the total park area).

30 Van Ness Avenue Project Scenario

The proposed 30 Van Ness Avenue Project would not generate any net new shadow that would fall on Victoria Manalo Draves Park at any time throughout the year.

98 Franklin Street Project Scenario

The proposed 98 Franklin Street Project would not generate any net new shadow that would fall on the Victoria Manalo Draves Park at any time throughout the year.

Cumulative Scenario 1

As shown on Table 47, cumulative net new shadow from Cumulative Scenario 1 combined with the other planned projects in the vicinity would result in an increase of 0.51% (2,078,646 sfh) of shadow on Victoria Manalo Draves Park. This increase would result in a new annual total shadow load of 6.94%.

NET NEW SHADOW CAST BY CUMULATIVE SCENARIO 1	VICTORIA MANALO DRAVES PARK
Annual net new shadow on Victoria Manalo Draves Park as percentage of TAAS (in sfh)	0.51% (2,078,646 sfh)
Combined total annual shadow from existing + Cumulative 1 as percentage of TAAS (in sfh)	6.94% (28,416,007 sfh)
Approximate dates annually net new shadow would affect Victoria Manalo Draves Park	Year-round (365 days annually)
Dates of maximum new shading from proposed Project (max sfh)	June 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	1.00% (14,088 sfh)
Date(s) and time of largest single area of net new shadow	Jul 5/Jun 7 at 7:36 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 22,158 sf (0.0%-20.1% of total area)
Average size of net net shadows, when present	4,966.30 sf (4.5% of total area)
Range in daily duration of net new shadow (+/- 6 min) / Average duration when present	34 min to 118 min / Approx. 74 min.
Date and duration of longest duration of new shading (duration variance +/- 6 min.)	Approx. 118 min on June 21

TABLE 47: Cumulative Scenario 1 summary for Victoria Manalo Draves Park

Net new shadow from the Cumulative Scenario 1 would occur for between 34 and 118 minutes a day in the early morning as well as the late afternoon year-round.

The day of maximum net new shadow on the park due to Cumulative Scenario 1 would occur on June 21st, when morning shadow would be cast starting just prior to 5:45 p.m. though the end of the daily analysis period at 7:36 p.m. The duration of Cumulative Scenario 1-generated net new shadow would vary throughout the year, with net new shadow lasting between 34 and 118 minutes, with an average duration of about 74 minutes across all affected dates

The largest net new shadow cast by Cumulative Scenario 1 would occur at 7:36 p.m. on June 7th and July 5th and cover 22,158 sf--equivalent to 20.1% of the total area of Victoria Manalo Draves Park. Throughout the year, the average size of shadows, when present, would be 4,966 sf (about 4.5% of the total park area).

Cumulative Scenario 2

The shadow conditions generated by Cumulative Scenario 2 would be identical to those generated by Cumulative Scenario 1 with respect to the Victoria Manalo Draves Park.

Observed Uses

Within the six 30-minute observation periods conducted by PreVision Design between May 18 and May 20, 2018, the number of users in the park ranged from 4 to 68, with uses that varied at different times of day and days of the week. Observed park uses included children playing in the playground areas, eating lunch and resting on benches, walking dogs, playing basketball or soccer, barbecuing, working in the community

garden, and for a small portion of observed users, passing through the park. See Table 48 for an observation summary.

OBSERVATION TIME	DATE OF VISIT	USERS	TEMP - WEATHER
Weekday Morning	5/18/2018 9:30am	4	55° F – Cloudy, Light Rain
Weekday Midday	5/21/2018 12:45pm	68	61° F – Sunny
Weekday Afternoon	5/18/2018 5:50pm	31	58° F – Partially Sunny
Weekend Morning	5/19/2018 9:30am	39	59° F – Sunny
Weekend Midday	5/19/2018 12:00pm	42	58° F – Sunny
Weekend Afternoon	5/20/2018 5:20pm	4	59° F – Partly Cloudy

TABLE 48: Victoria Manalo Draves Park Use Observations

Overall, observed usage was higher during the weekday midday and afternoon visits as well as during the weekend morning and midday visits. The areas of highest use at these times were children using the playground areas, with fewer users occupying the other park features. On both morning visits and the weekday afternoon visit, one user was observed working in the community garden area. The observed intensity of use varied between the various observation times but could be characterized as low to moderate given the park's size. Observed peak use on May 21 corresponded to a ratio of approximately 1,615 square feet of park area per user.

Value of Sunlight

The portions of Victoria Manalo Draves Park that would likely be more sensitive to the addition of net new shadow would be those portions of the park that are: fixed in location, where users remain rather than pass through, observed to be well used. Based on the use observations performed, the basketball court, the children's play area, the park's fixed benches, and the tables and seating areas would be considered as the most sensitive areas per the criteria established above. While several of these more sensitive features would receive net new shadow, the duration of such shadow would be very short (under 10 minutes) and only be affected on a limited number of dates each year. Other features receiving new shading could be characterized as being of lower sensitivity due to the fact they their use is either typically transitory in nature (entry/walkways) or are features that are similar to many other nearby areas in the park (landscaped/grassy) areas that would be unshaded at the times affected by net new shadow from the Hub Plan.

Under Cumulative Scenarios 1 and 2, additional mid-spring and late summer shadow would fall on Victoria Manalo Draves Park in the morning and shadows would also fall year-round in late afternoon. Areas affected by this shadow would include the main park entry, portions of the basketball court, walkways, grassy areas, a small portion of

the children's play area, seven fixed benches, and one picnic table. Net new cumulative shadow would occur for up to one hour and 45 minutes in the early morning and up to one hour and 45 minutes the late afternoon year-round.

Victoria Manalo Draves Park Analysis References

Exhibit A1: Annual shadow fan diagrams showing the extents of net new shadow on all other affected open spaces (including the Victoria Manalo Draves Park) for the Hub Plan Scenario.

Exhibits B1-D1: Snapshot diagrams showing the location and shape of net new shadow cast by the Hub Plan Scenario at hourly intervals on the Summer Solstice (B1-June 21), approximate equinoxes (C1-September 20/ March 22), and the Winter Solstice (D1-December 20). Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset.

Exhibit E13: Snapshot diagrams focused on Victoria Manalo Draves Park, showing the location and shape of net new shadow cast by the Hub Plan Scenario (E12H) at hourly intervals on the date(s) when the greatest sfh of net new shadow would be present. Graphics depict shadow conditions at hourly intervals starting one hour after sunrise through one hour before sunset, and at 15-minute intervals at times when net new shadow is near to or falls on the Victoria Manalo Draves Park.

Exhibit F13: The full quantitative calculations for shadow conditions on the Victoria Manalo Draves Park under the Existing Scenario, Hub Plan Scenario, 30 Van Ness Avenue Project Scenario, 98 Franklin Street Project Scenario, Cumulative Scenario 1, and Cumulative Scenario 2.

■

EXHIBIT A: AGGREGATE SHADOW FAN DIAGRAMS

A1 - Annual net new Shadow Fan: The Hub Plan

Diagram showing extents of all areas receiving net new shadow cast by the Hub Plan (including 30 Van Ness and 98 Franklin) at *some* point during the year.

A2 - Annual net new Shadow Fan: 30 Van Ness Project

Diagram showing extents of all areas receiving net new shadow cast by 30 Van Ness at *some* point during the year.

A3 - Annual net new Shadow Fan: 98 Franklin Project

Diagram showing extents of all areas receiving net new shadow cast by 30 Van Ness at *some* point during the year.

A1 THE HUB PLAN - ALL SITES

Net new shadow fan diagram, accounting for the presence of existing shadow

PREVISION DESIGN



Refined Net New Shadow Fan

Darker blue means more frequent new shadow

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

A2 THE HUB PLAN - 30 VAN NESS AVENUE PROJECT ONLY

Net new shadow fan diagram, accounting for the presence of existing shadow

PREVISION DESIGN



Refined Net New Shadow Fan

Darker blue means more frequent new shadow

Affected Parks and Open Spaces

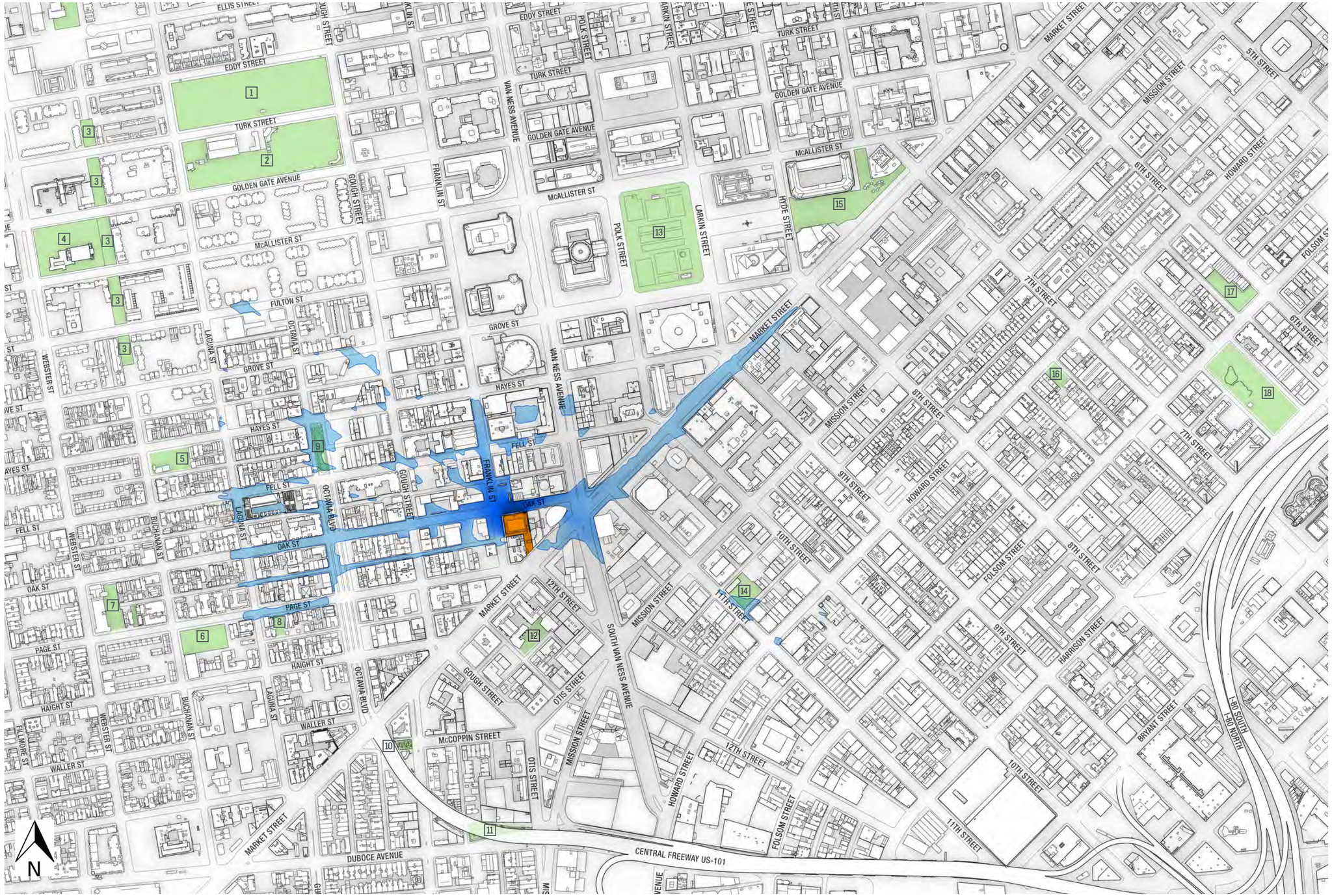
1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

30 Van Ness Avenue

A3 THE HUB PLAN - 98 FRANKLIN STREET PROJECT ONLY

Net new shadow fan diagram, accounting for the presence of existing shadow

PREVISION DESIGN



Refined Net New Shadow Fan

Darker blue means more frequent new shadow

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

98 Franklin Street

EXHIBIT B: SHADOW DIAGRAMS ON SUMMER SOLSTICE

B1 - The Hub Plan

Diagrams showing shadow conditions under the Hub Plan (including 30 Van Ness and 98 Franklin) on June 21st at one hour intervals starting one hour after sunrise through one hour prior to sunset.

B2 - 30 Van Ness Avenue

Diagrams showing shadow conditions for the 30 Van Ness Project on June 21st at one hour intervals starting one hour after sunrise through one hour prior to sunset.

B3 - 98 Franklin Street

Diagrams showing shadow conditions for the 98 Franklin Project on June 21st at one hour intervals starting one hour after sunrise through one hour prior to sunset.

B1.1 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 6:46 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.2 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 7:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.3 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 8:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B1.4 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.5 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B1.6 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.7 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B1.8 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.9 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B1.10 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.11 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 4:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B1.12 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 5:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.13 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 6:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B1.14 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 7:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B1.15 THE HUB PLAN

Shading diagrams on the Summer Solstice (June 21) at 7:36 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

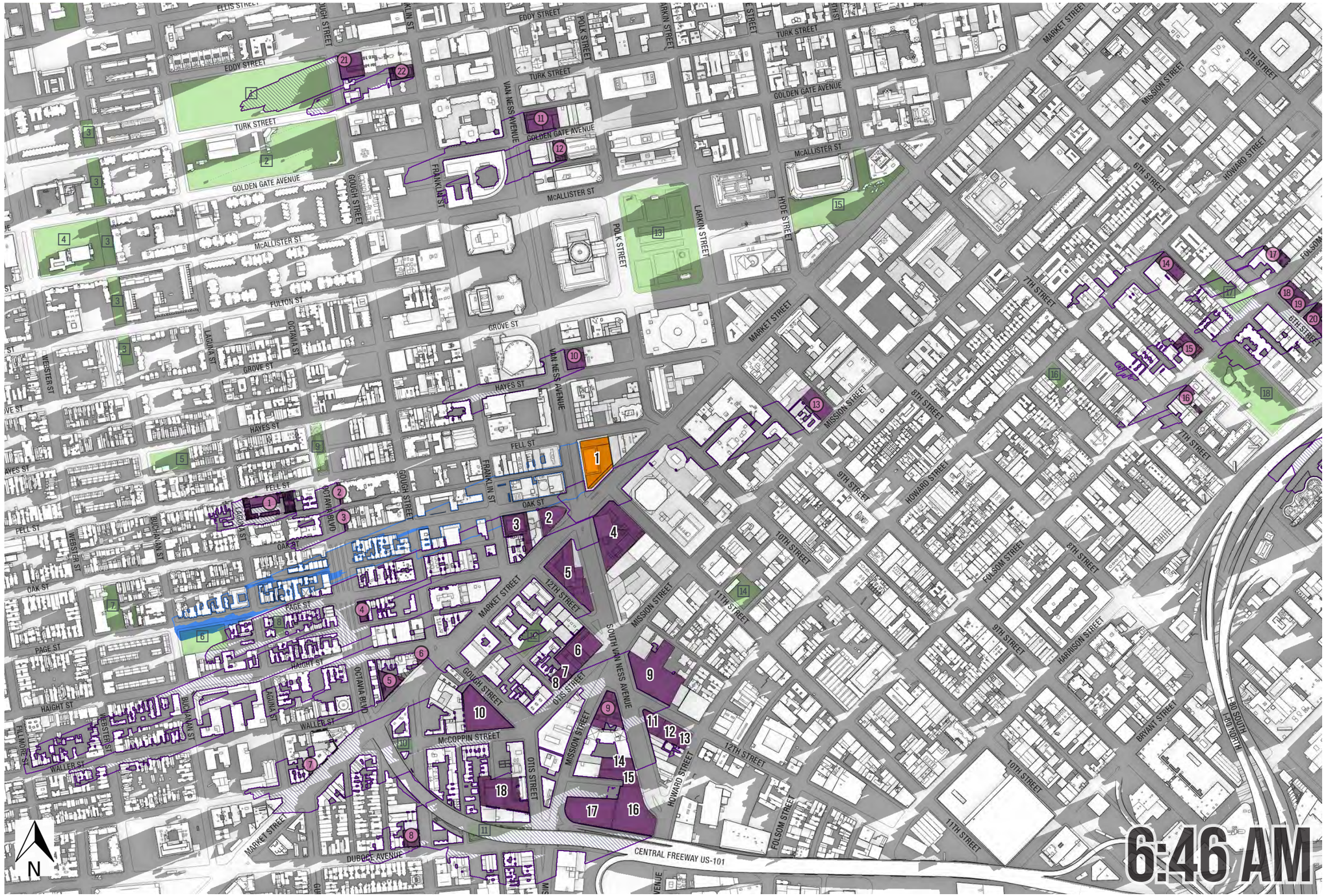
B2.1

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 6:46 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B2.2

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 7:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

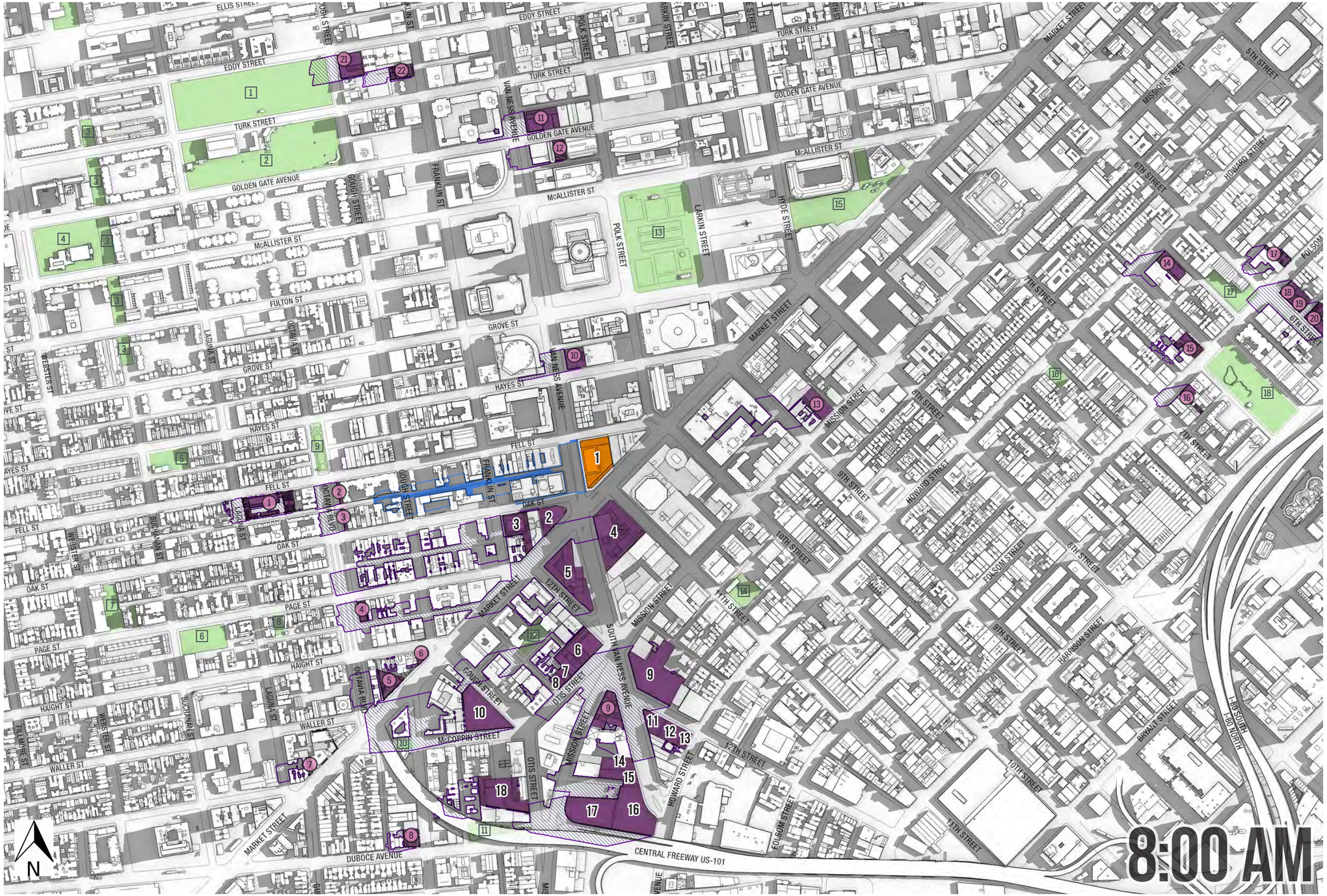
B2.3

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 8:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

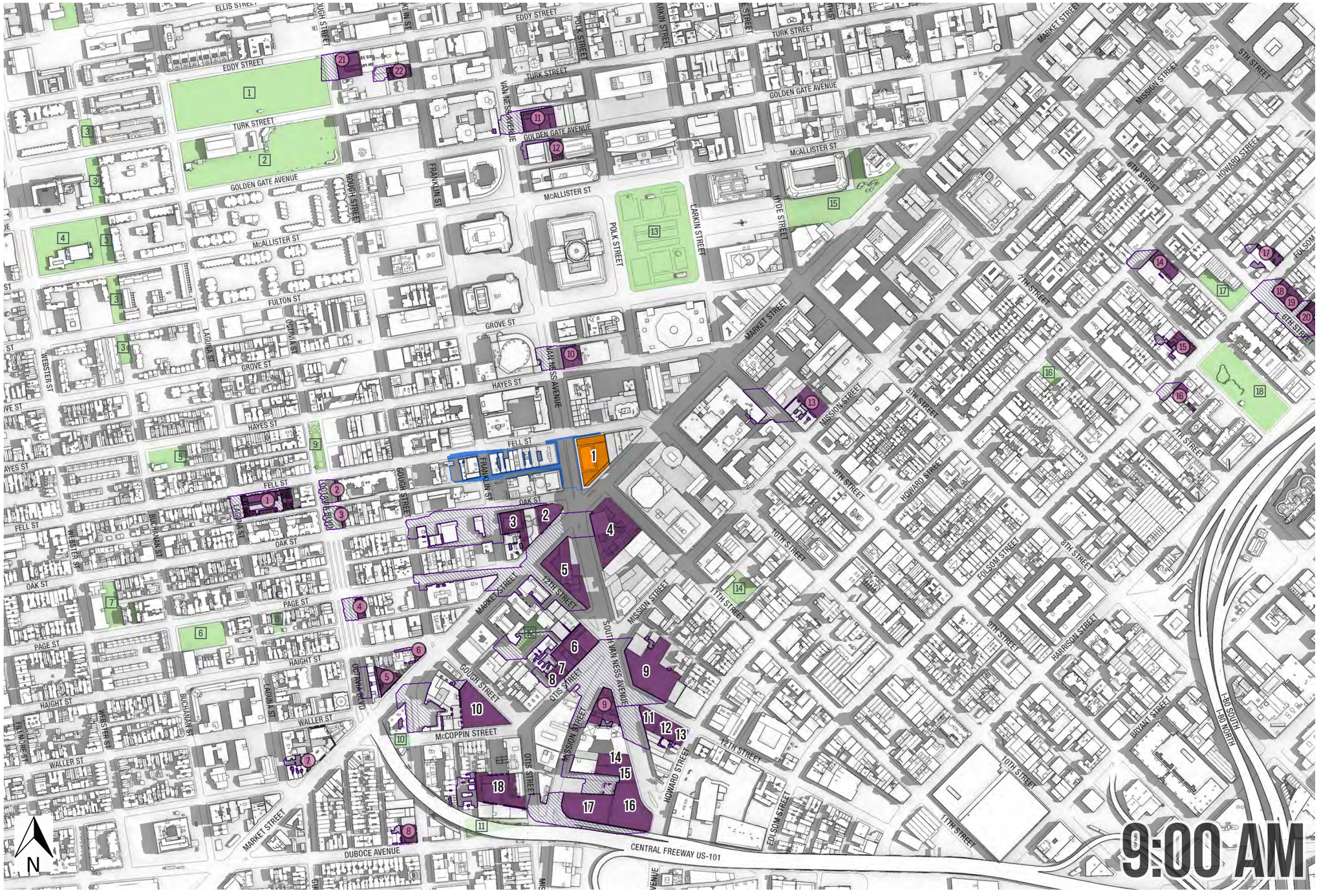
B2.4

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B2.5

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B2.6

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B2.7

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B2.8

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B2.9

30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B2.10 30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B2.11 30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 4:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B2.12 30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 5:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B2.13 30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 6:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B2.14 30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 7:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B2.15 30 VAN NESS AVENUE

Shading diagrams on the Summer Solstice (June 21) at 7:36 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

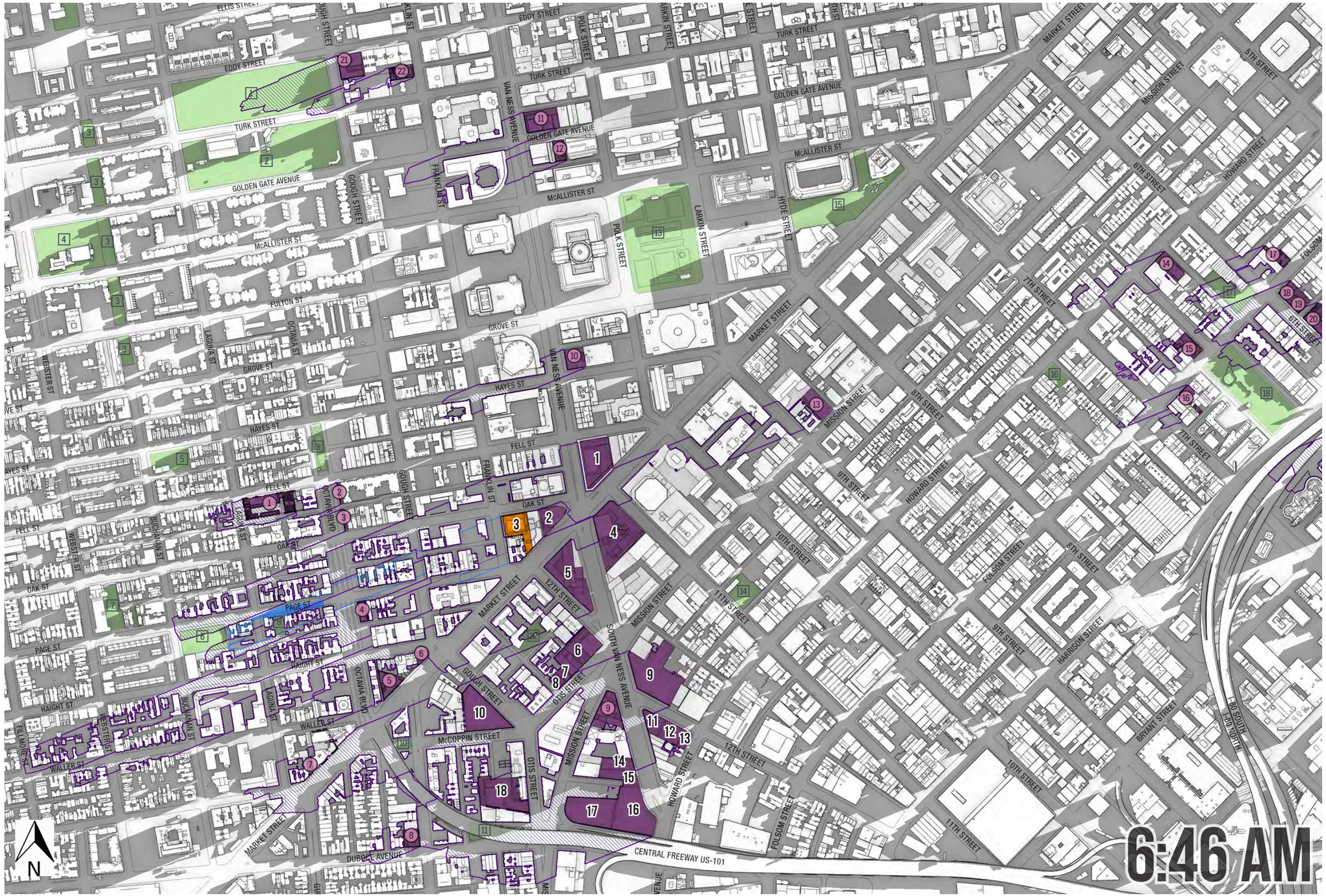
B3.1

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 6:46 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.2

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 7:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

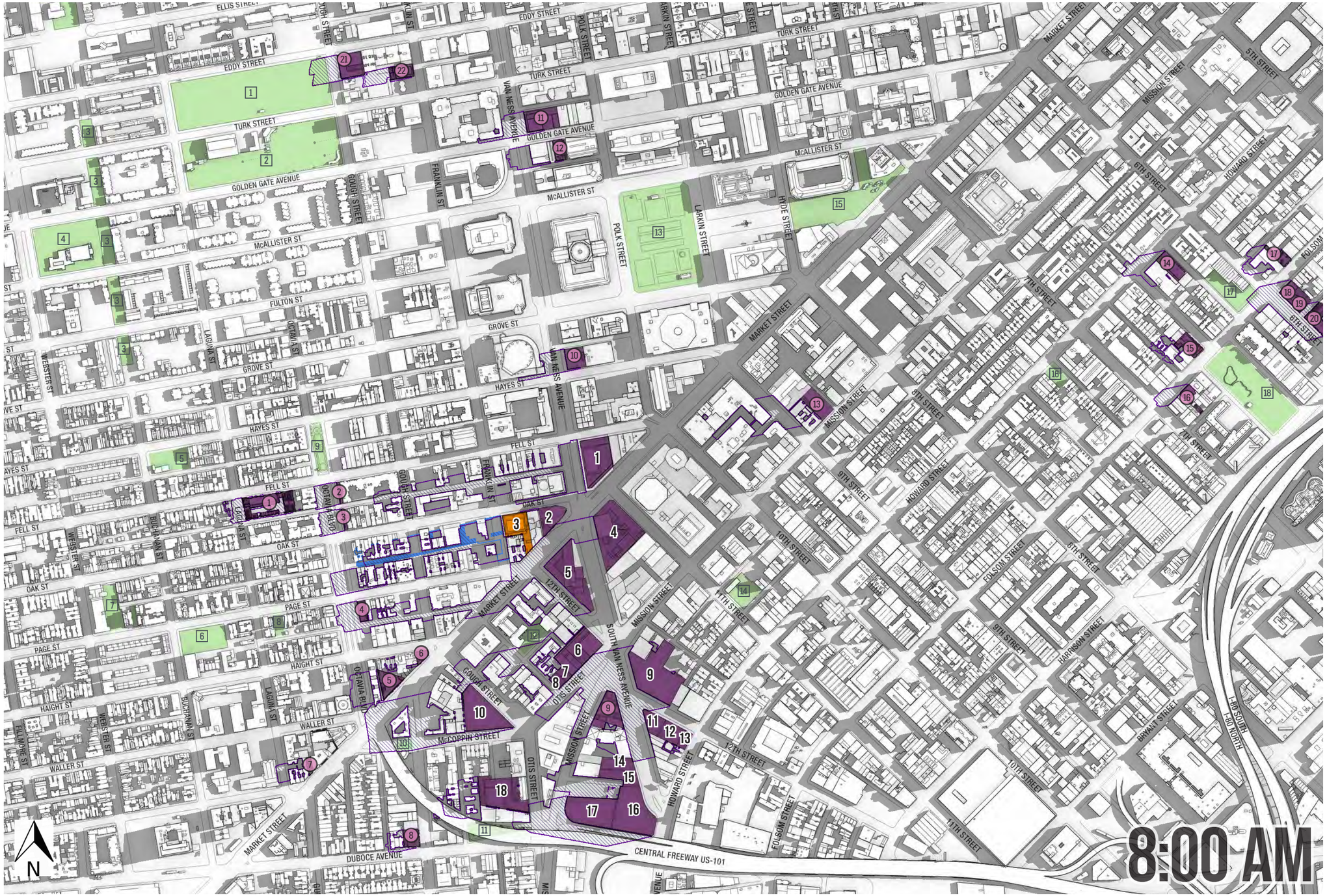
B3.3

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 8:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

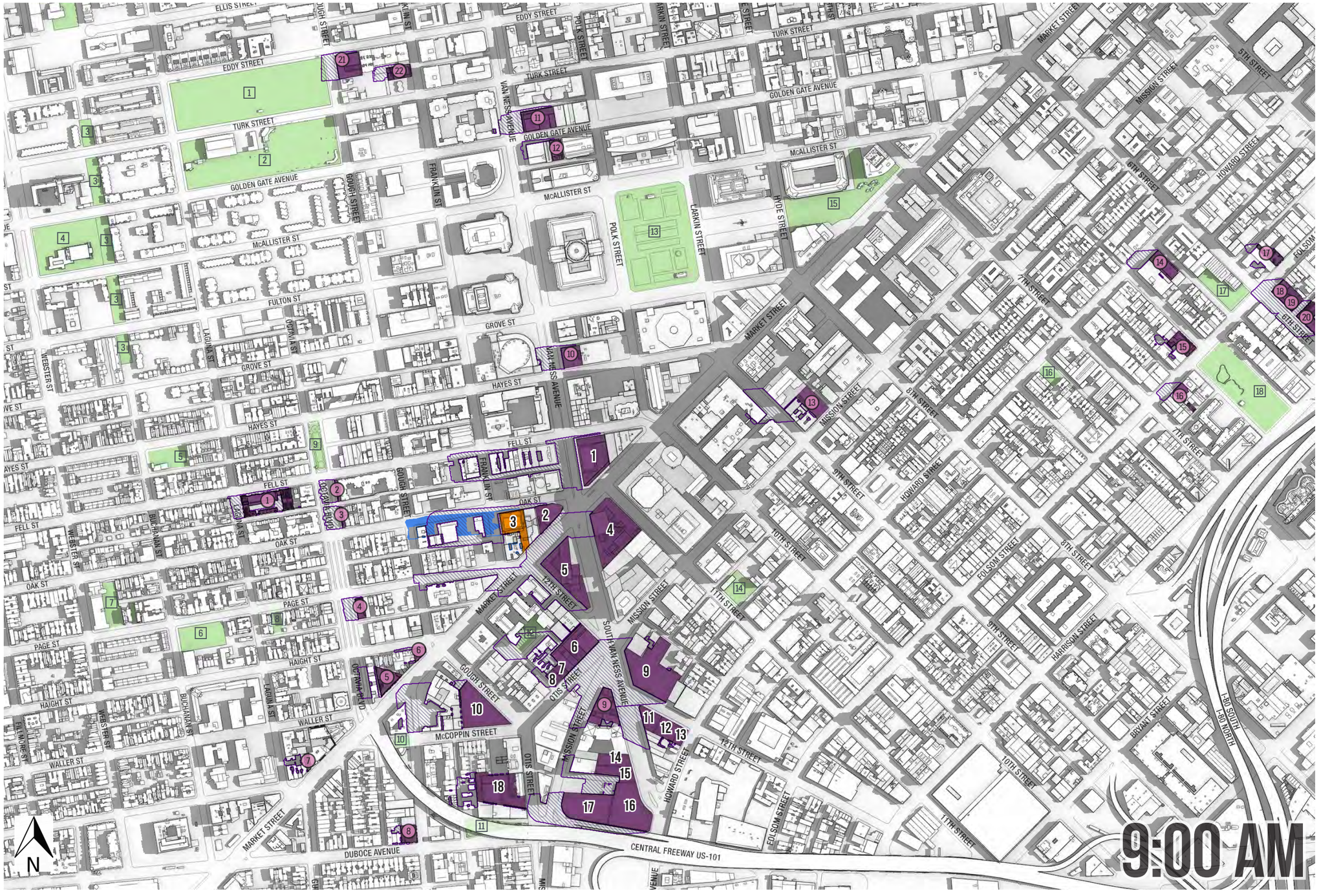
B3.4

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B3.5

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.6

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.7

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.8

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

B3.9

98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.10 98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.11 98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 4:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.12 98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 5:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.13 98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 6:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.14 98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 7:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

B3.15 98 FRANKLIN STREET

Shading diagrams on the Summer Solstice (June 21) at 7:36 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

EXHIBIT C: SHADOW DIAGRAMS NEAR EQUINOXES

C1 - The Hub Plan

Diagrams showing shadow conditions under the Hub Plan (including 30 Van Ness and 98 Franklin) on September 20 / March 22 at one hour intervals starting one hour after sunrise through one hour prior to sunset.

C2 - 30 Van Ness Avenue

Diagrams showing shadow conditions for the 30 Van Ness Project on September 20 / March 22 at one hour intervals starting one hour after sunrise through one hour prior to sunset.

C3 - 98 Franklin Street

Diagrams showing shadow conditions for the 98 Franklin Project on September 20 / March 22 at one hour intervals starting one hour after sunrise through one hour prior to sunset.

C1.1 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 7:57 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.2 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 8:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.3 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.4 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.5 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.6 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.7 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.8 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.9 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.10 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 4:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.11 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 5:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.12 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 6:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C1.13 THE HUB PLAN

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 6:09 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.1

30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 7:57 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.2

30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 8:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.3 30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.4 30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C2.5

30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.6

30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.7

30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.8 30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.9

30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.10 30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 4:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

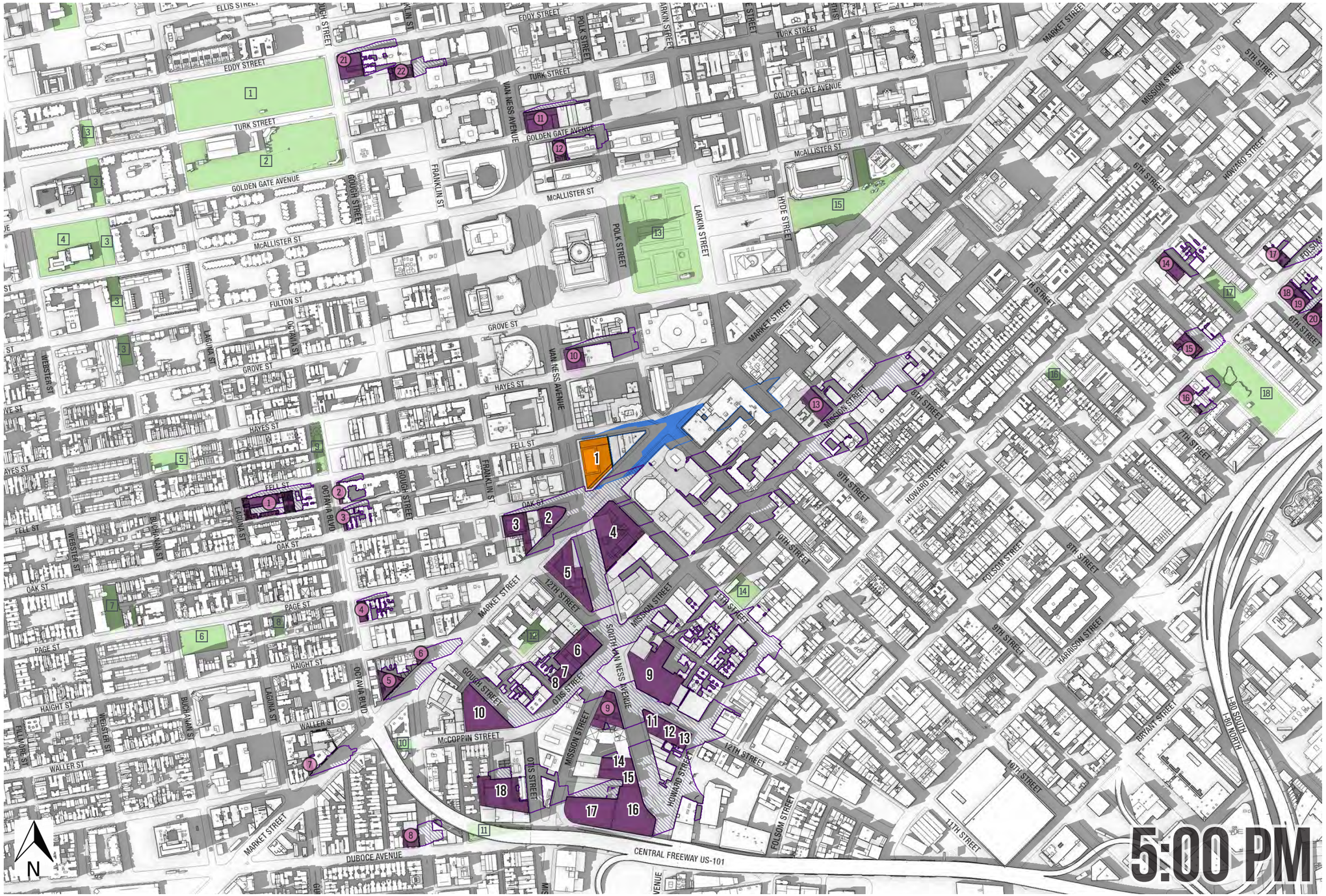
1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.11 30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 5:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.12 30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 6:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C2.13 30 VAN NESS AVENUE

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 6:09 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C3.1

98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 7:57 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.2

98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 8:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.3

98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.4

98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C3.5

98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.6 98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.7 98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C3.8

98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

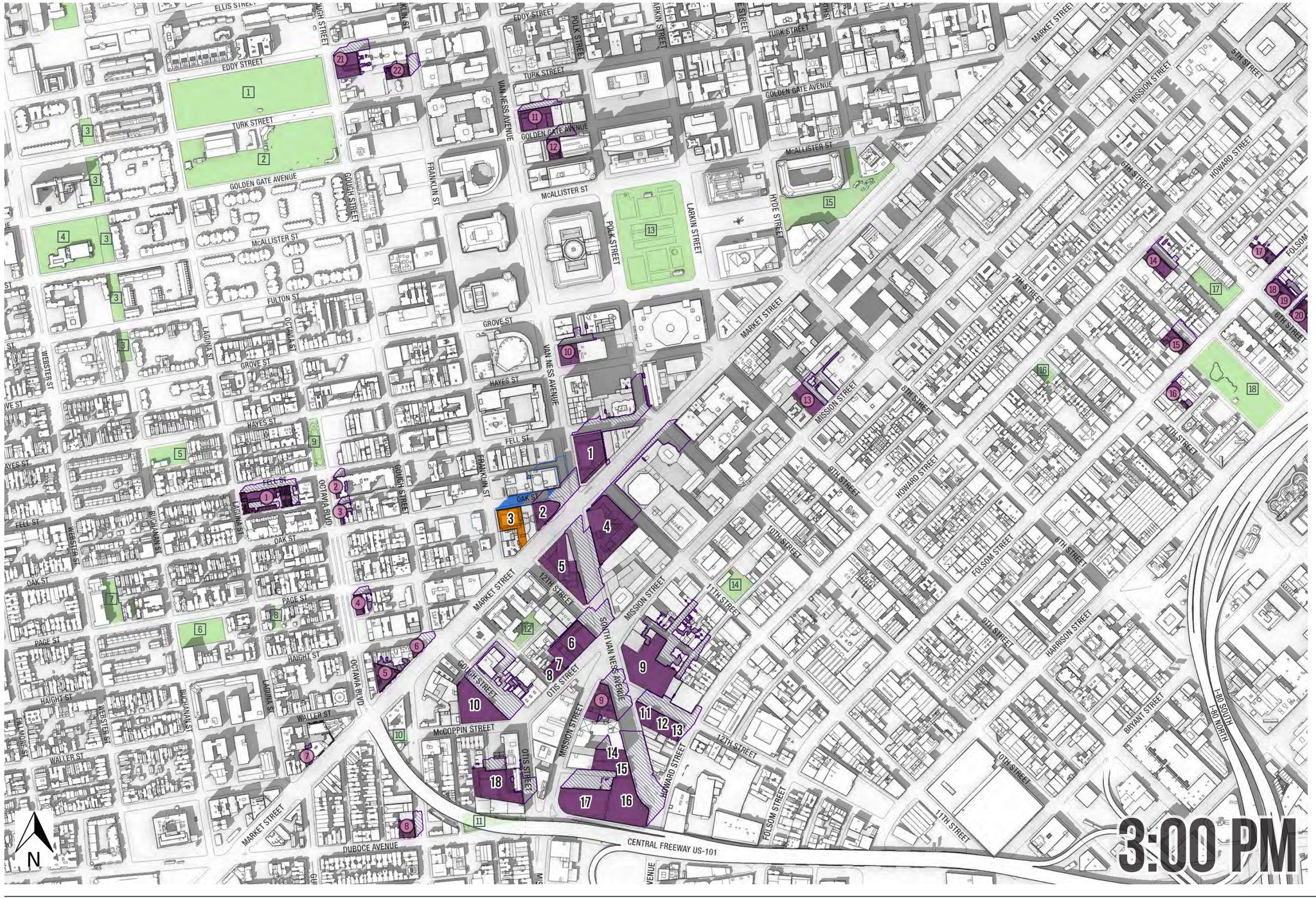
1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.9 98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

C3.10 98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 4:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.11 98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 5:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.12 98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 6:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

C3.13 98 FRANKLIN STREET

Shading diagrams near the Fall/Spring Equinoxes (Sep 20/Mar 22) at 6:09 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

EXHIBIT D: SHADOW DIAGRAMS ON WINTER SOLSTICE

D1 - The Hub Plan

Diagrams showing shadow conditions under the Hub Plan (including 30 Van Ness and 98 Franklin) on December 20 at one hour intervals starting one hour after sunrise through one hour prior to sunset.

D2 - 30 Van Ness Avenue

Diagrams showing shadow conditions for the 30 Van Ness Project on December 20 at one hour intervals starting one hour after sunrise through one hour prior to sunset.

D3 - 98 Franklin Street

Diagrams showing shadow conditions for the 98 Franklin Project on December 20 at one hour intervals starting one hour after sunrise through one hour prior to sunset.

D1.1 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 8:19 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D1.2 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D1.3 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D1.4 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D1.5 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D1.6 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D1.7 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D1.8 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D1.9 THE HUB PLAN

Shading diagrams on the Winter Solstice (December 20) at 3:54 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.1

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 8:19 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.2

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.3

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.4

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
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11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.5

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.6

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.7

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
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13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D2.8

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects

Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
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12 555 Golden Gate Avenue
13 1270 Mission Street
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16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

3:00 PM

D2.9

30 VAN NESS AVENUE

Shading diagrams on the Winter Solstice (December 20) at 3:54 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 30 Van Ness Ave.
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
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13 1270 Mission Street
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15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D3.1

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 8:19 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D3.2

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 9:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D3.3

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 10:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
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13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
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11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

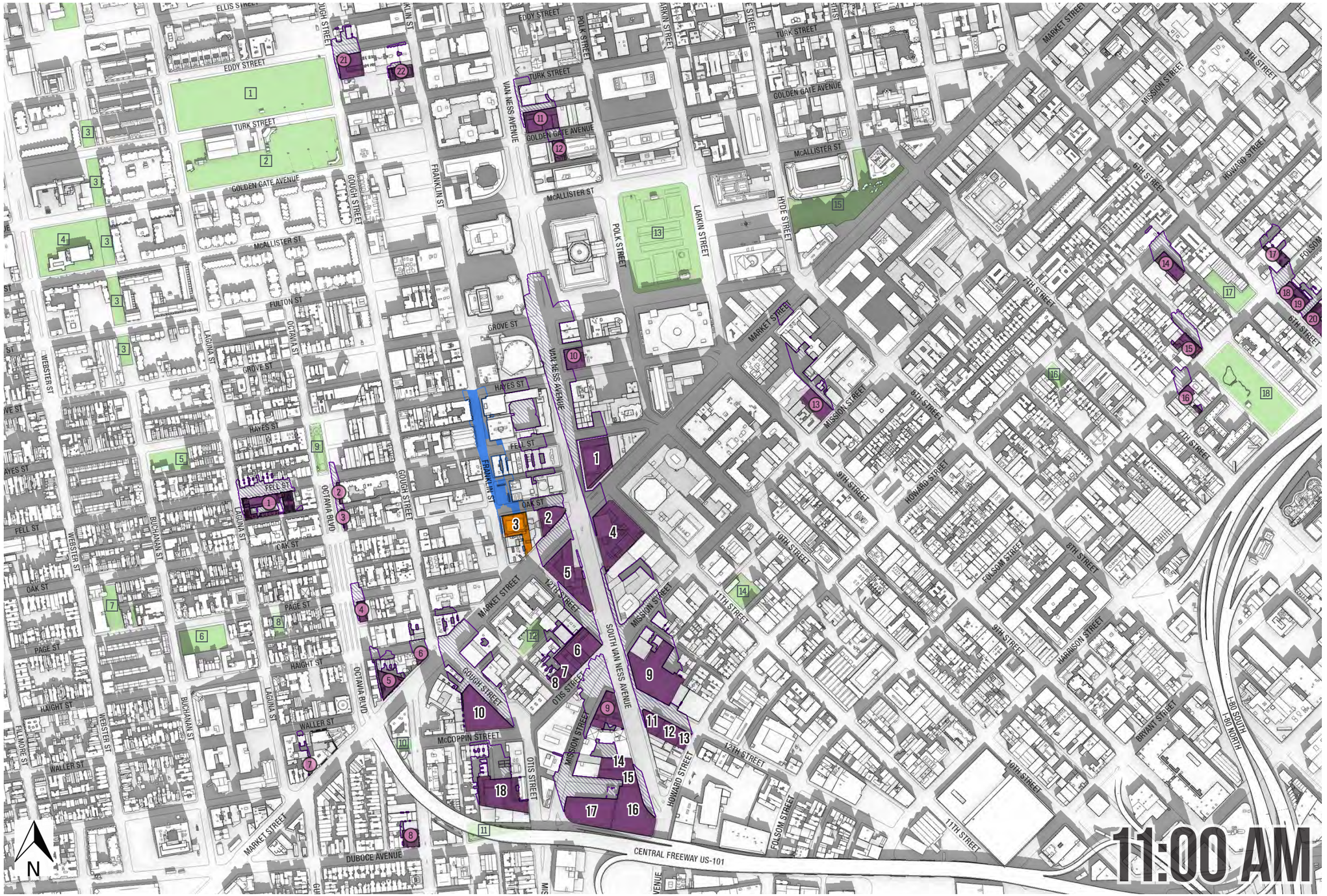
D3.4

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 11:00 AM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
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10 33 Gough Street
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12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
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5 1740 Market Street
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7 1870 Market Street
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15 1052 Folsom Street
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17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D3.5

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 12:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
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15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
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7 1870 Market Street
8 198 Valencia Street
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15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
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19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D3.6

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 1:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
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11. 600 Van Ness Avenue
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13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

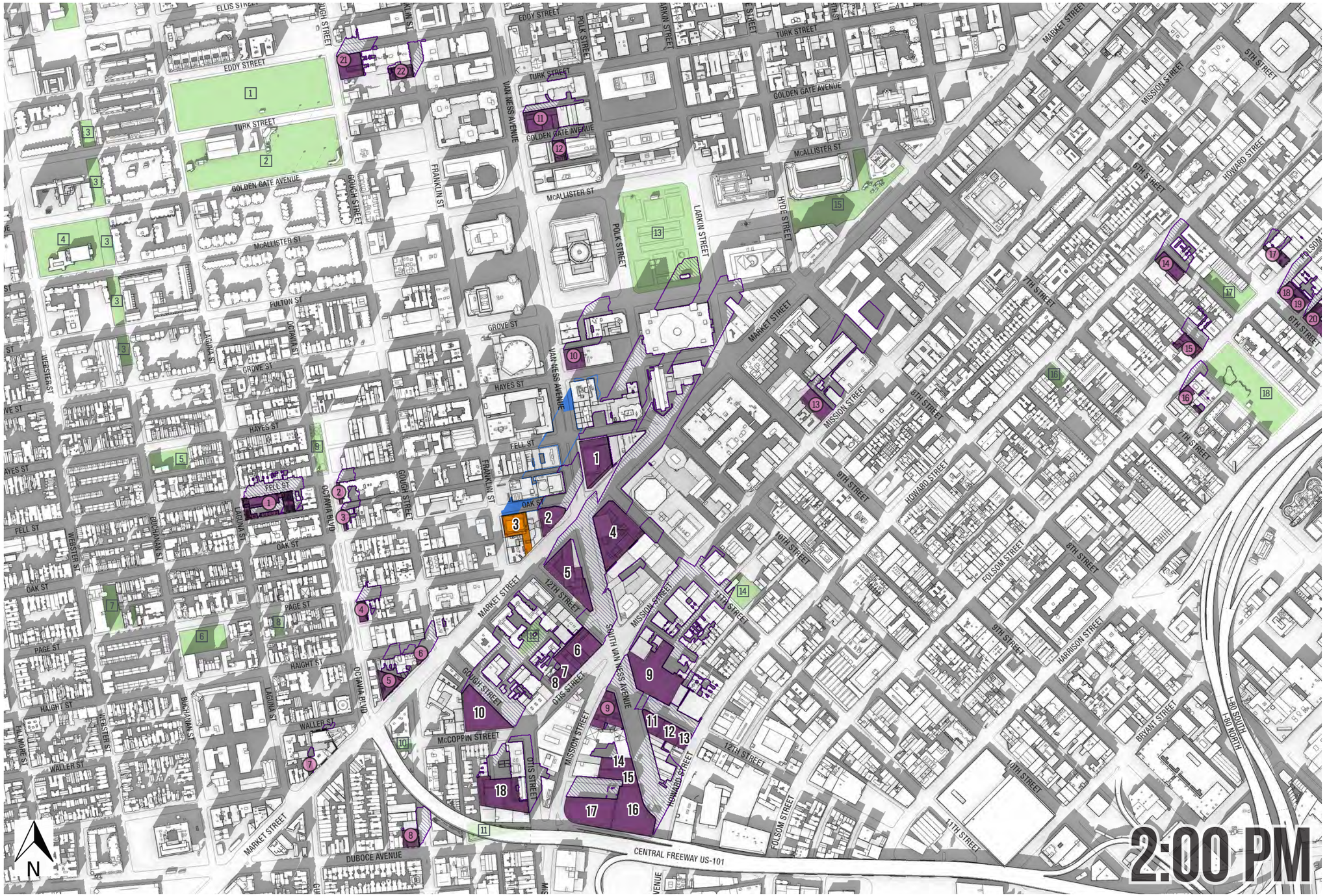
D3.7

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 2:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1 30 Van Ness Avenue
2 1500-40 Market Street (One Oak)
3 98 Franklin Street
4 1 South Van Ness Avenue
5 10 South Van Ness Avenue
6 30 Otis Street
7 42 Otis Street
8 50 Otis Street
9 99 South Van Ness Avenue
10 33 Gough Street
11 110 12th Street
12 180 12th Street
13 194 12th Street
14 154 South Van Ness Avenue
15 160 South Van Ness Avenue
16 170 South Van Ness Avenue
17 1695 Mission Street
18 170 Otis Street

Cumulative Projects

1 955 Fell Street
2 350 Octavia Street
3 300 Octavia Street
4 188 Octavia Street
5 1740 Market Street
6 1700 Market Street
7 1870 Market Street
8 198 Valencia Street
9 1601 Mission Street
10 200-214 Van Ness Avenue
11 600 Van Ness Avenue
12 555 Golden Gate Avenue
13 1270 Mission Street
14 1025 Howard Street
15 1052 Folsom Street
16 1075 Folsom Street
17 980 Folsom Street
18 999 Folsom Street
19 345 6th Street
20 363 6th Street
21 950 Gough Street
22 807 Franklin Street

Affected Parks and Open Spaces

1 Jefferson Square Park
2 Margaret Hayward Playground
3 Buchanan Street Mall
4 Ella Hill Hutch Community Center
5 Hayes Valley Playground
6 Koshland Park
7 John Muir Elementary School
8 Page & Laguna Mini Park
9 Patricia's Green
10 McCoppin Hub
11 SOMA West Skate and Dog Park
12 Brady Park (Proposed)
13 Civic Center Plaza
14 11th/Natoma Park (Proposed)
15 United Nations Plaza
16 Howard & Langton Mini Park
17 Gene Friend Rec Center
18 Victoria Manalo Draves Park

D3.8

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 3:00 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

D3.9

98 FRANKLIN STREET

Shading diagrams on the Winter Solstice (December 20) at 3:54 PM

PREVISION DESIGN

Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects



Hub Plan Sites

1. 30 Van Ness Avenue
2. 1500-40 Market Street (One Oak)
3. 98 Franklin Street
4. 1 South Van Ness Avenue
5. 10 South Van Ness Avenue
6. 30 Otis Street
7. 42 Otis Street
8. 50 Otis Street
9. 99 South Van Ness Avenue
10. 33 Gough Street
11. 110 12th Street
12. 180 12th Street
13. 194 12th Street
14. 154 South Van Ness Avenue
15. 160 South Van Ness Avenue
16. 170 South Van Ness Avenue
17. 1695 Mission Street
18. 170 Otis Street

Cumulative Projects

1. 955 Fell Street
2. 350 Octavia Street
3. 300 Octavia Street
4. 188 Octavia Street
5. 1740 Market Street
6. 1700 Market Street
7. 1870 Market Street
8. 198 Valencia Street
9. 1601 Mission Street
10. 200-214 Van Ness Avenue
11. 600 Van Ness Avenue
12. 555 Golden Gate Avenue
13. 1270 Mission Street
14. 1025 Howard Street
15. 1052 Folsom Street
16. 1075 Folsom Street
17. 980 Folsom Street
18. 999 Folsom Street
19. 345 6th Street
20. 363 6th Street
21. 950 Gough Street
22. 807 Franklin Street

Affected Parks and Open Spaces

1. Jefferson Square Park
2. Margaret Hayward Playground
3. Buchanan Street Mall
4. Ella Hill Hutch Community Center
5. Hayes Valley Playground
6. Koshland Park
7. John Muir Elementary School
8. Page & Laguna Mini Park
9. Patricia's Green
10. McCoppin Hub
11. SOMA West Skate and Dog Park
12. Brady Park (Proposed)
13. Civic Center Plaza
14. 11th/Natoma Park (Proposed)
15. United Nations Plaza
16. Howard & Langton Mini Park
17. Gene Friend Rec Center
18. Victoria Manalo Draves Park

EXHIBIT E1: JEFFERSON SQUARE PARK GRAPHICS ON DAY OF MAXIMUM NET NEW SHADOW

E1H - Max Day for the Hub Plan: December 20

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

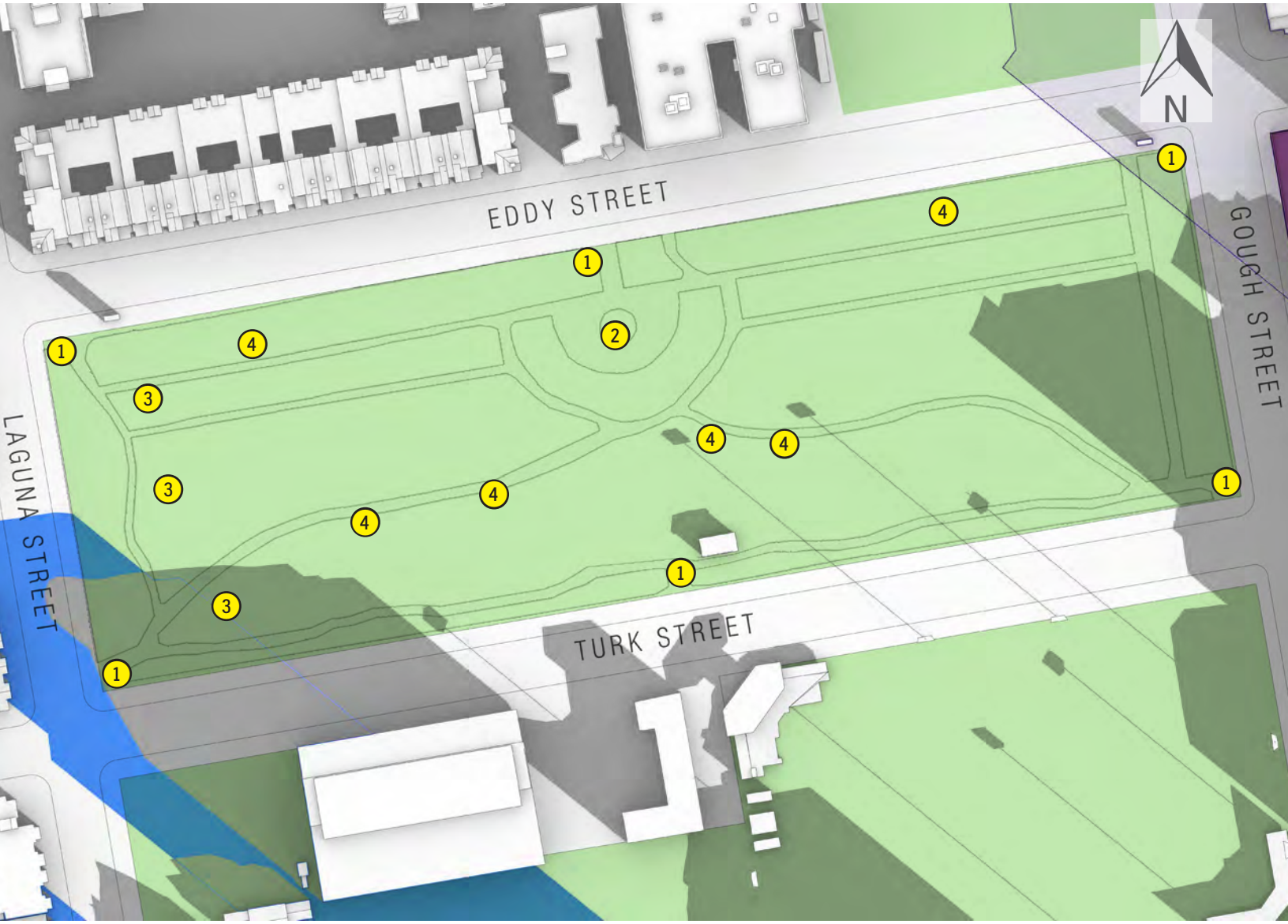
E1V - Max Day for 30 Van Ness Project: December 20

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E1H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

8:19 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

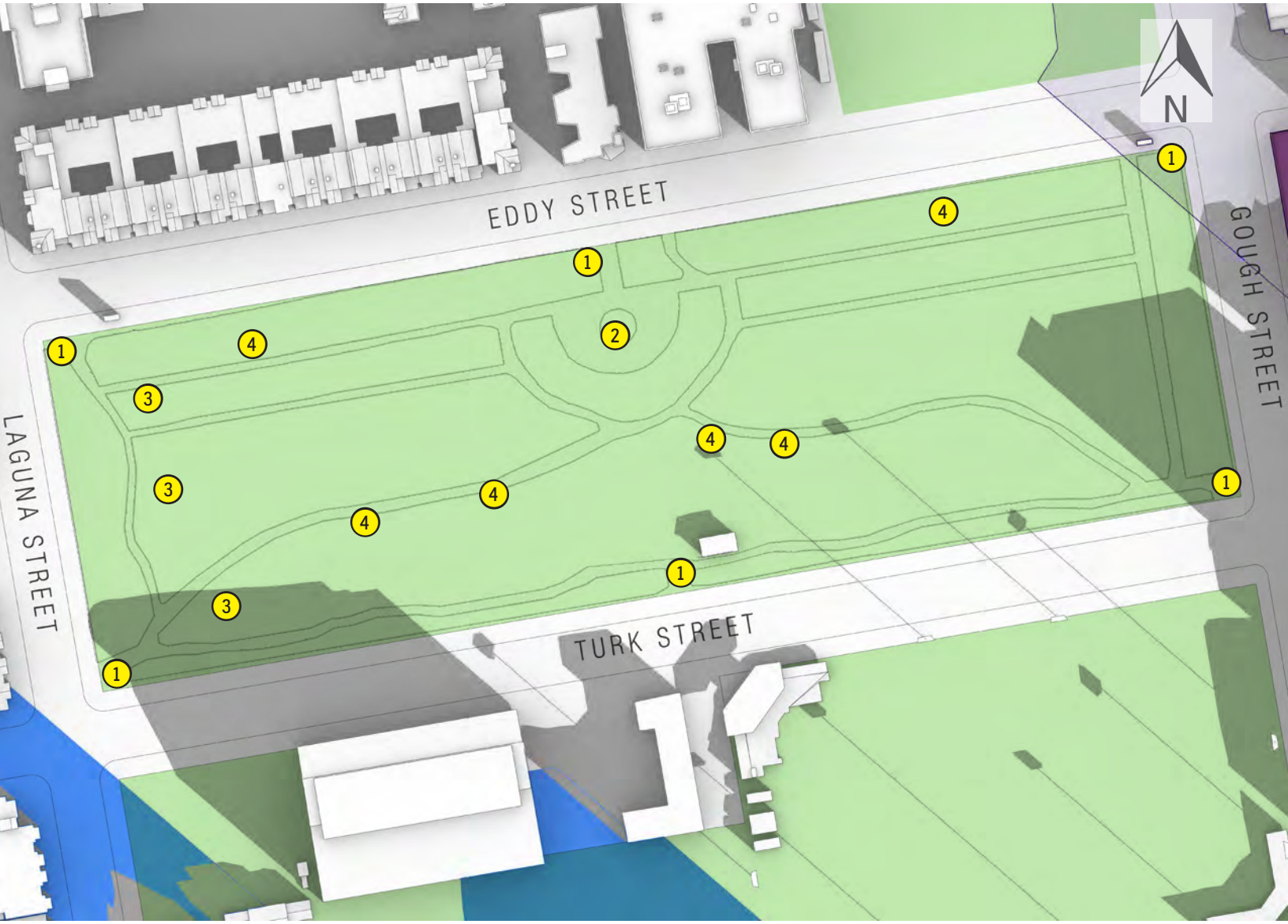
Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

8:30 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

8:45 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

9:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

12:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

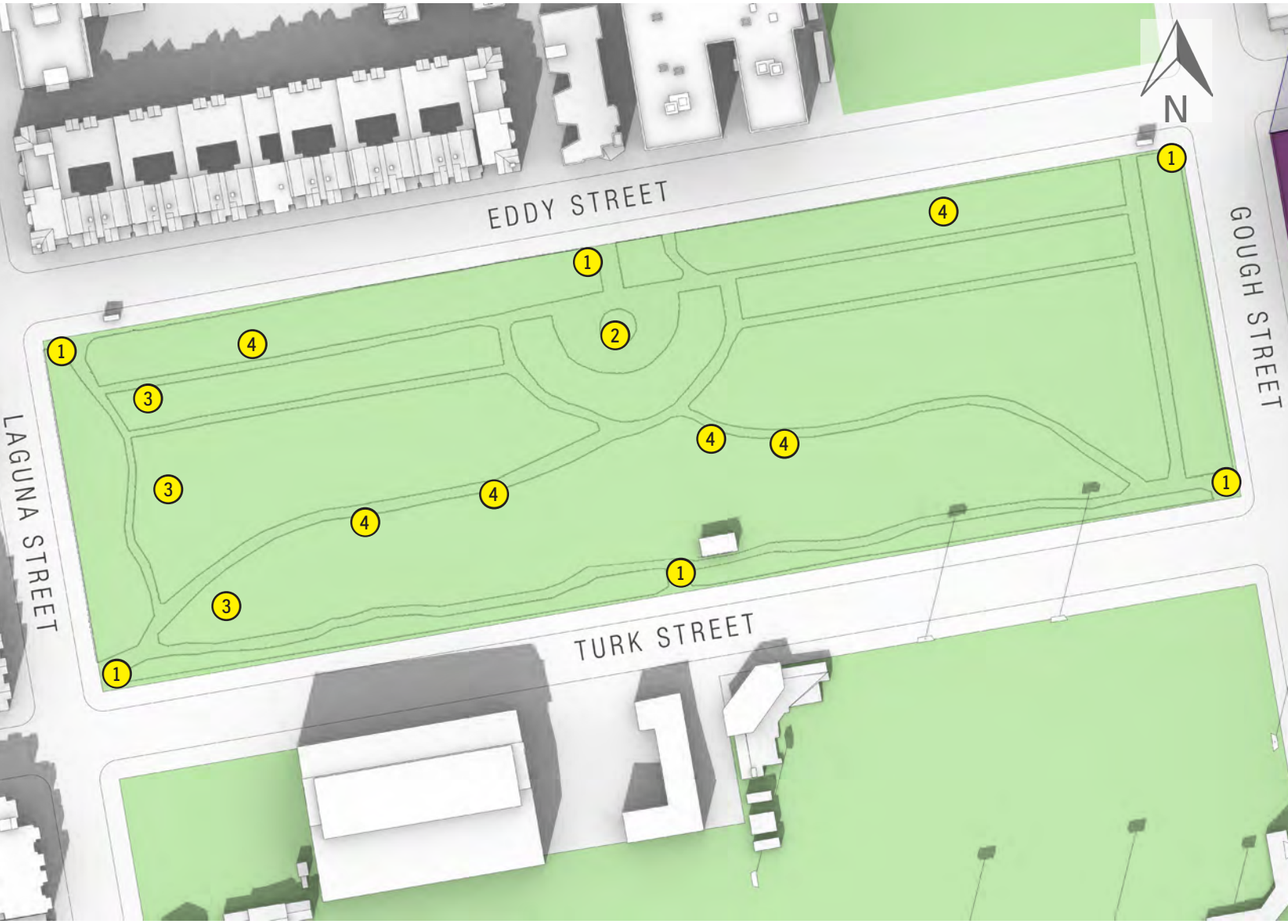
Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

1:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

2:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

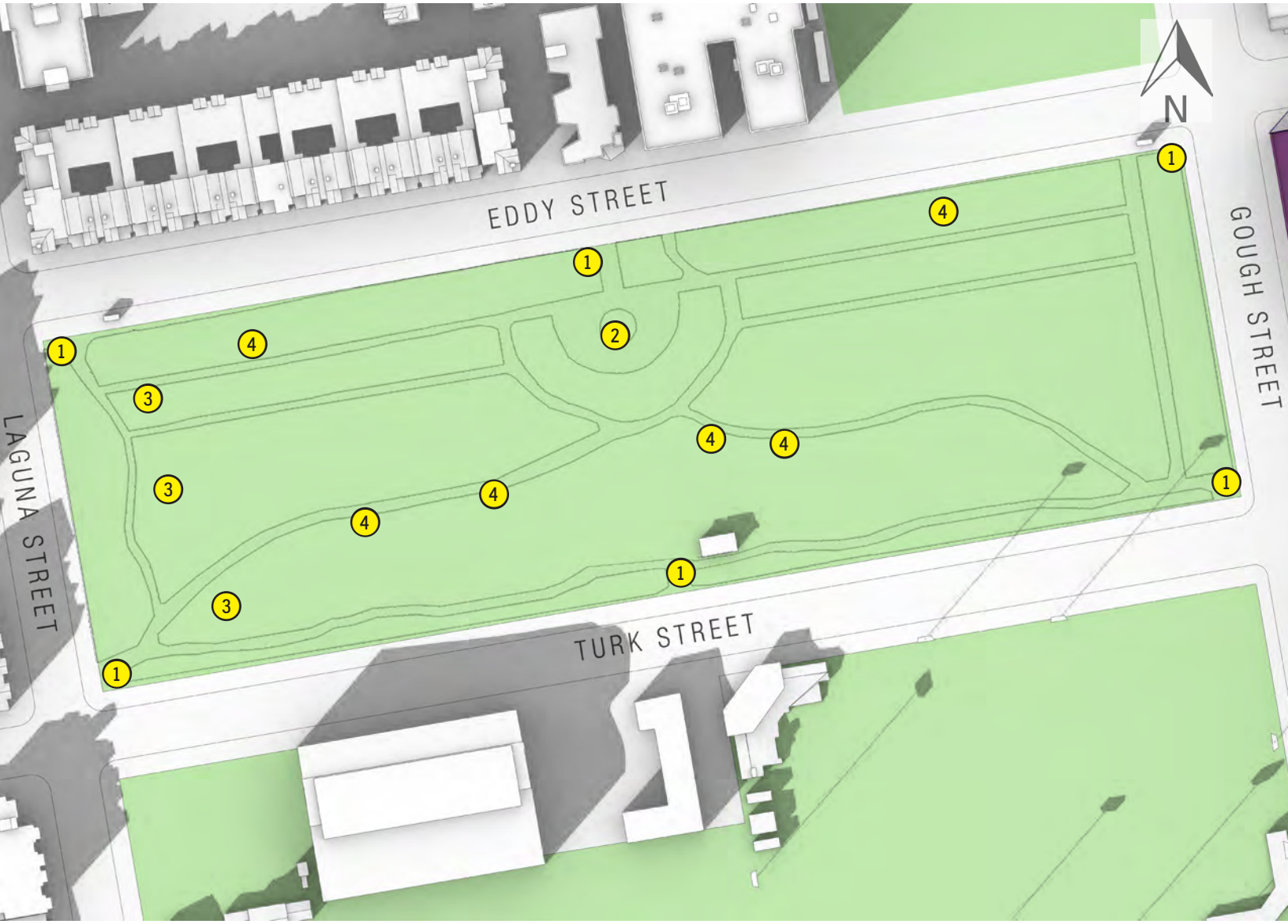
Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

3:54 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

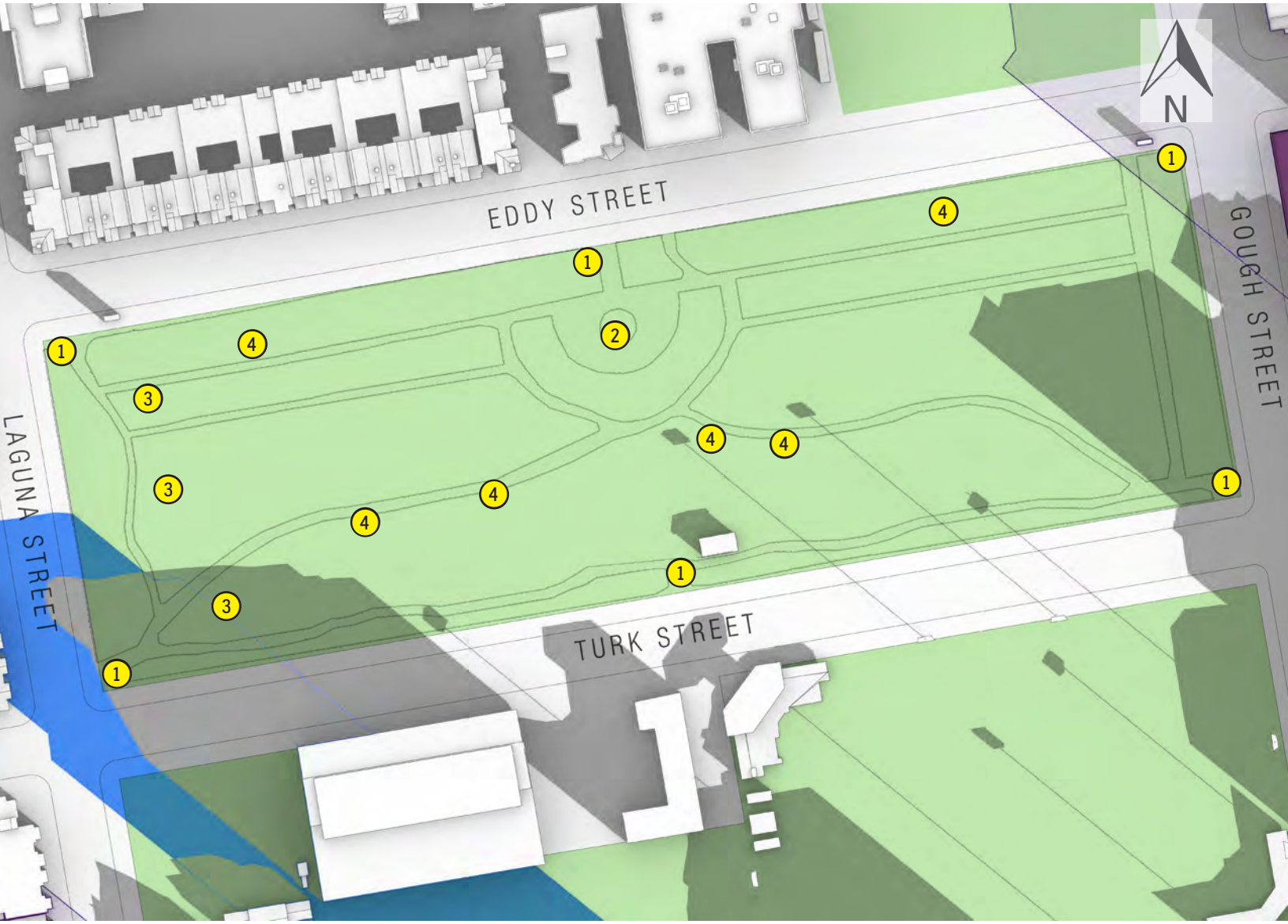
Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.1

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

8:19 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

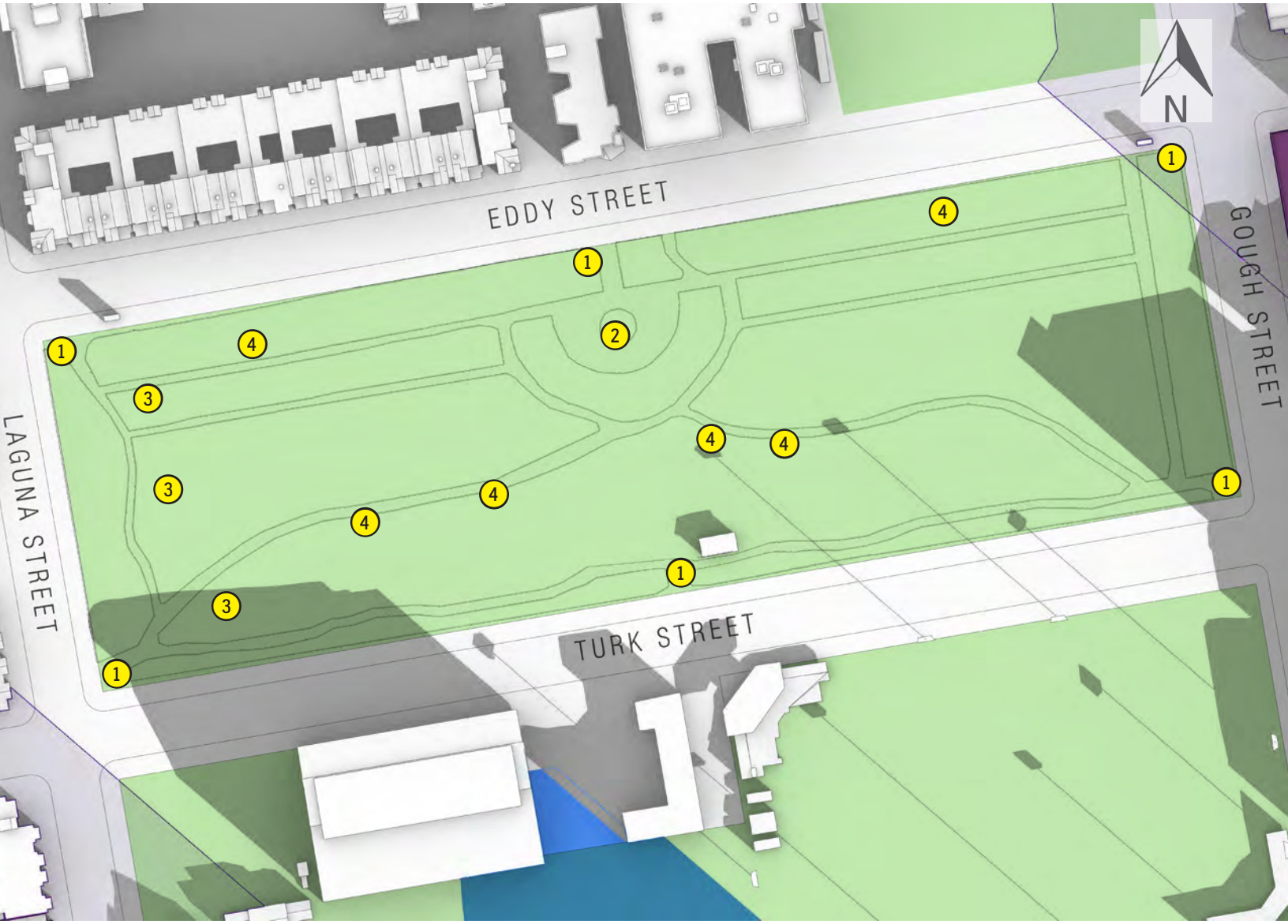
Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.2

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

8:30 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.3

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.4

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

10:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.5

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

11:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.6

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

12:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

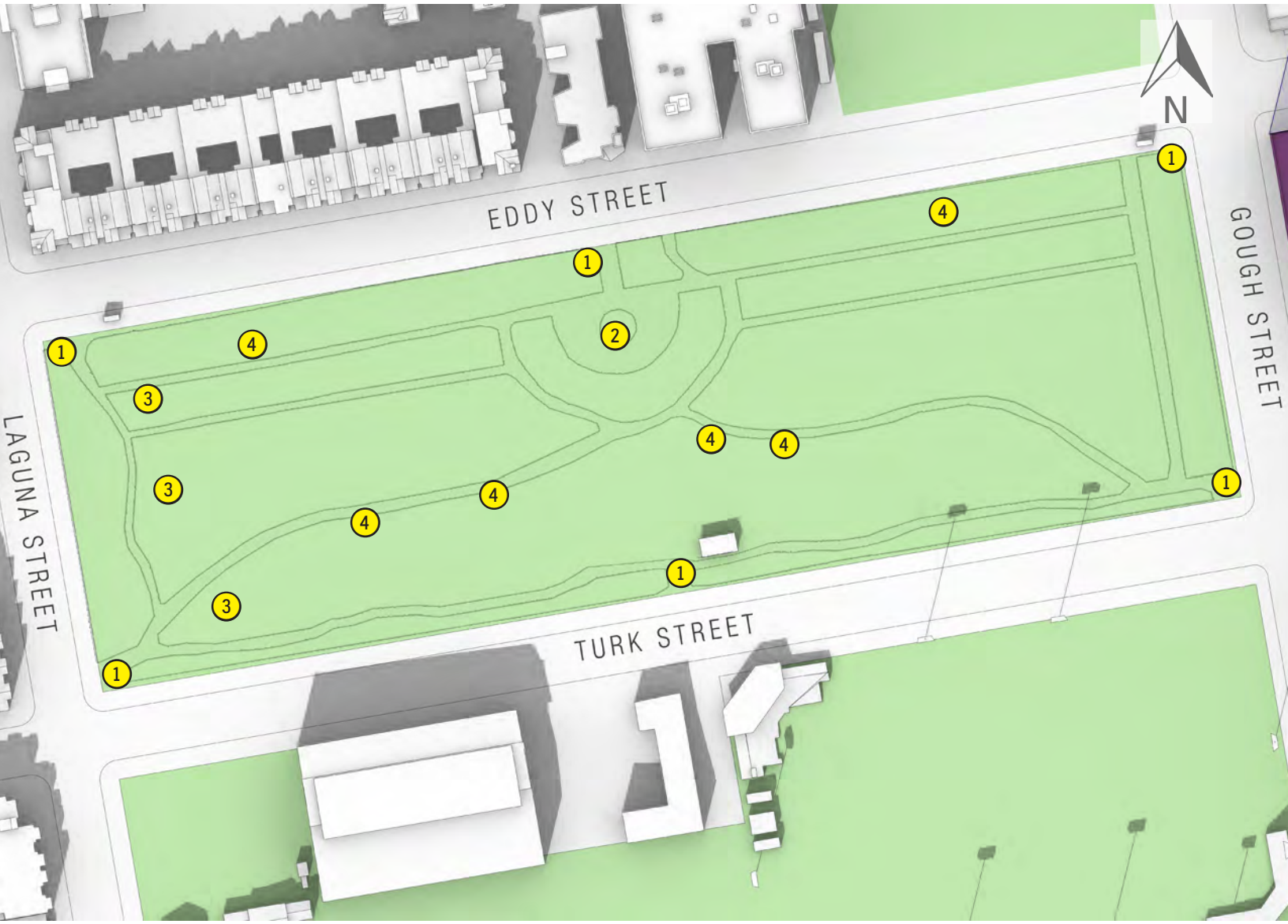
Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.7

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

1:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.8

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

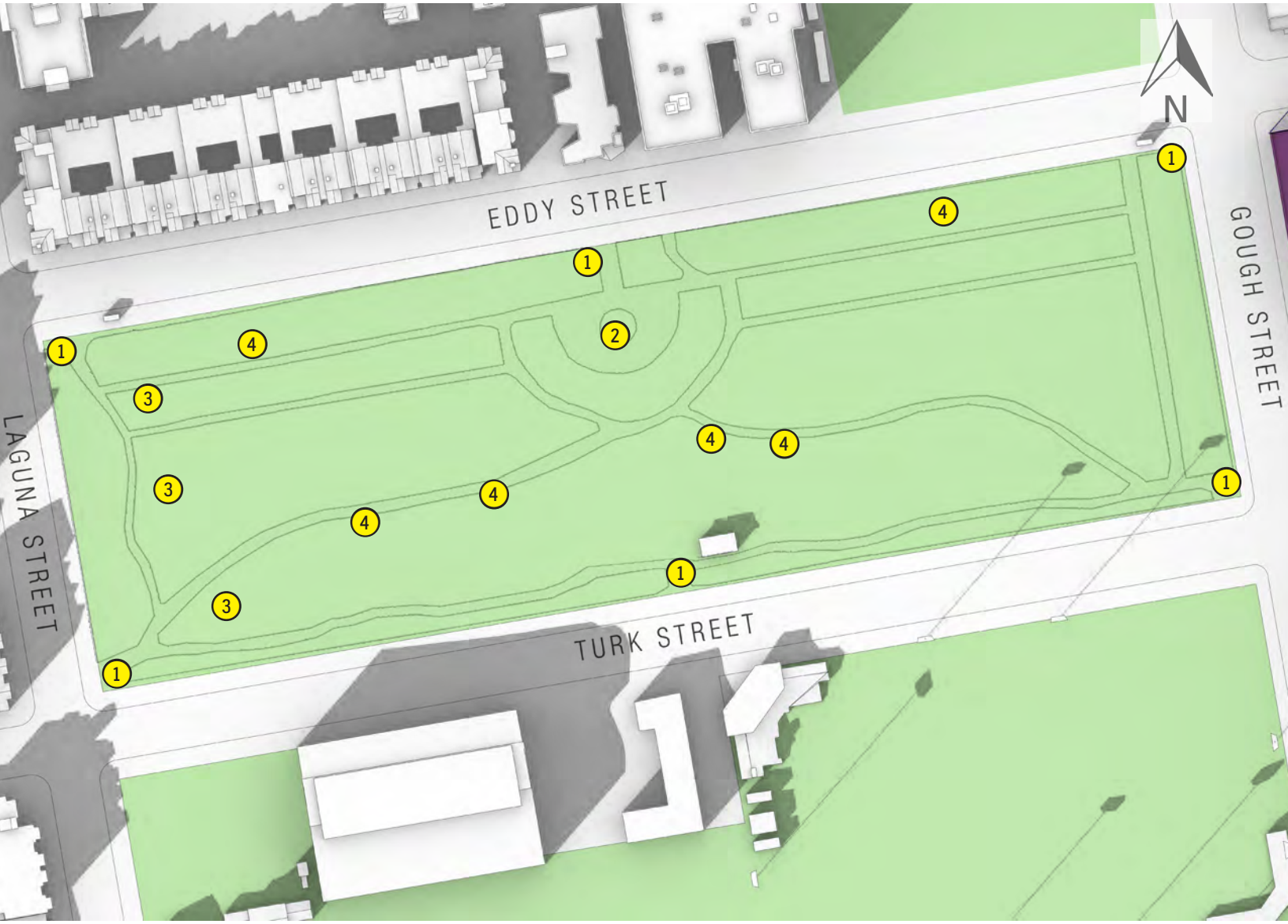
Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.9

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

E1V.10

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Jefferson Square Park



WINTER SOLSTICE
DECEMBER 20

3:54 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Plaza
3. Off-leash dog areas
4. Bench

EXHIBIT E2: MARGARET HAYWARD PLAYGROUND GRAPHICS ON DAYS OF MAX NET NEW SHADOW

E2H - Max Day for the Hub Plan: December 20

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E2V - Max Day for 30 Van Ness Project: December 20

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E2H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

8:19 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

8:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

8:45 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

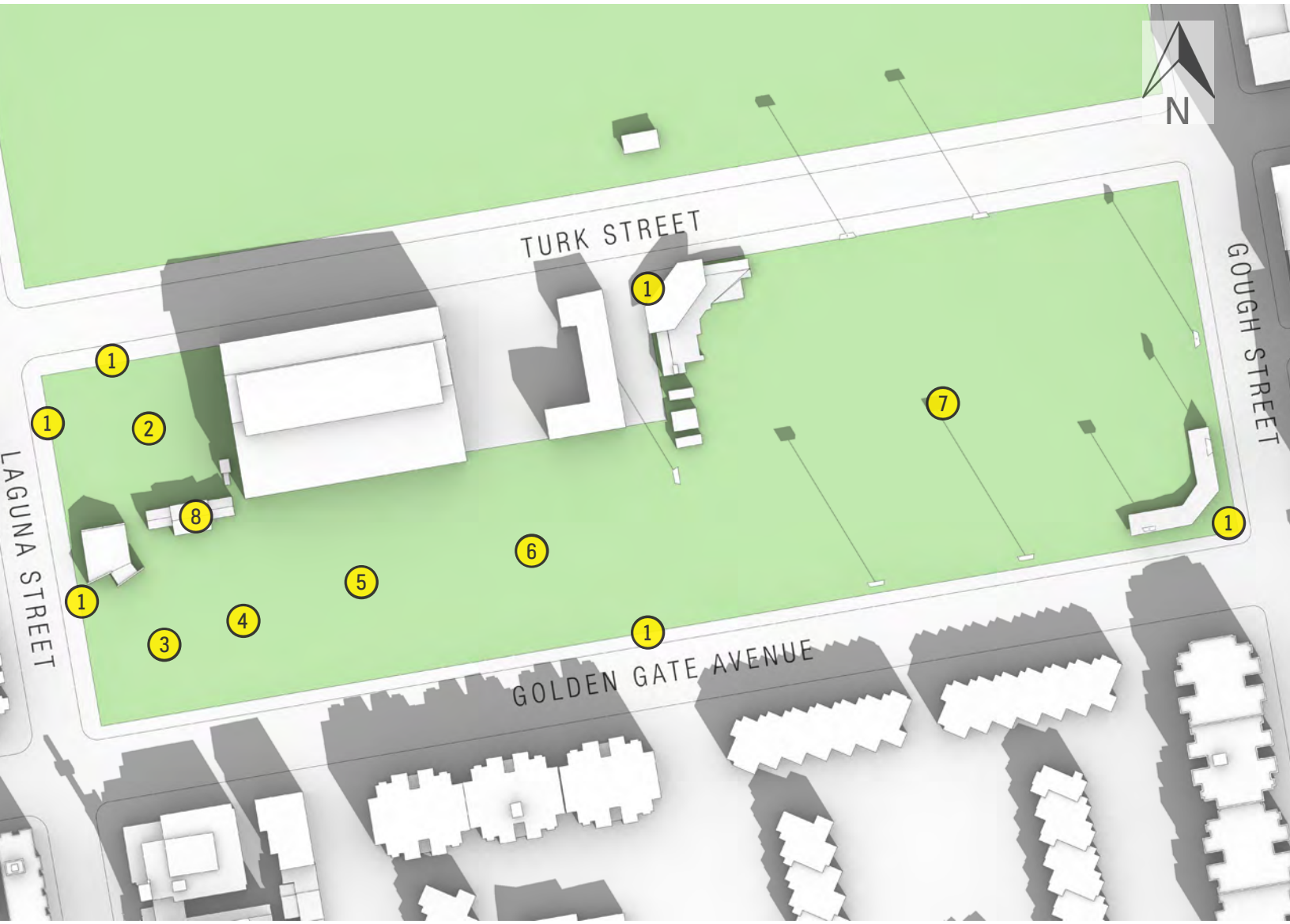
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

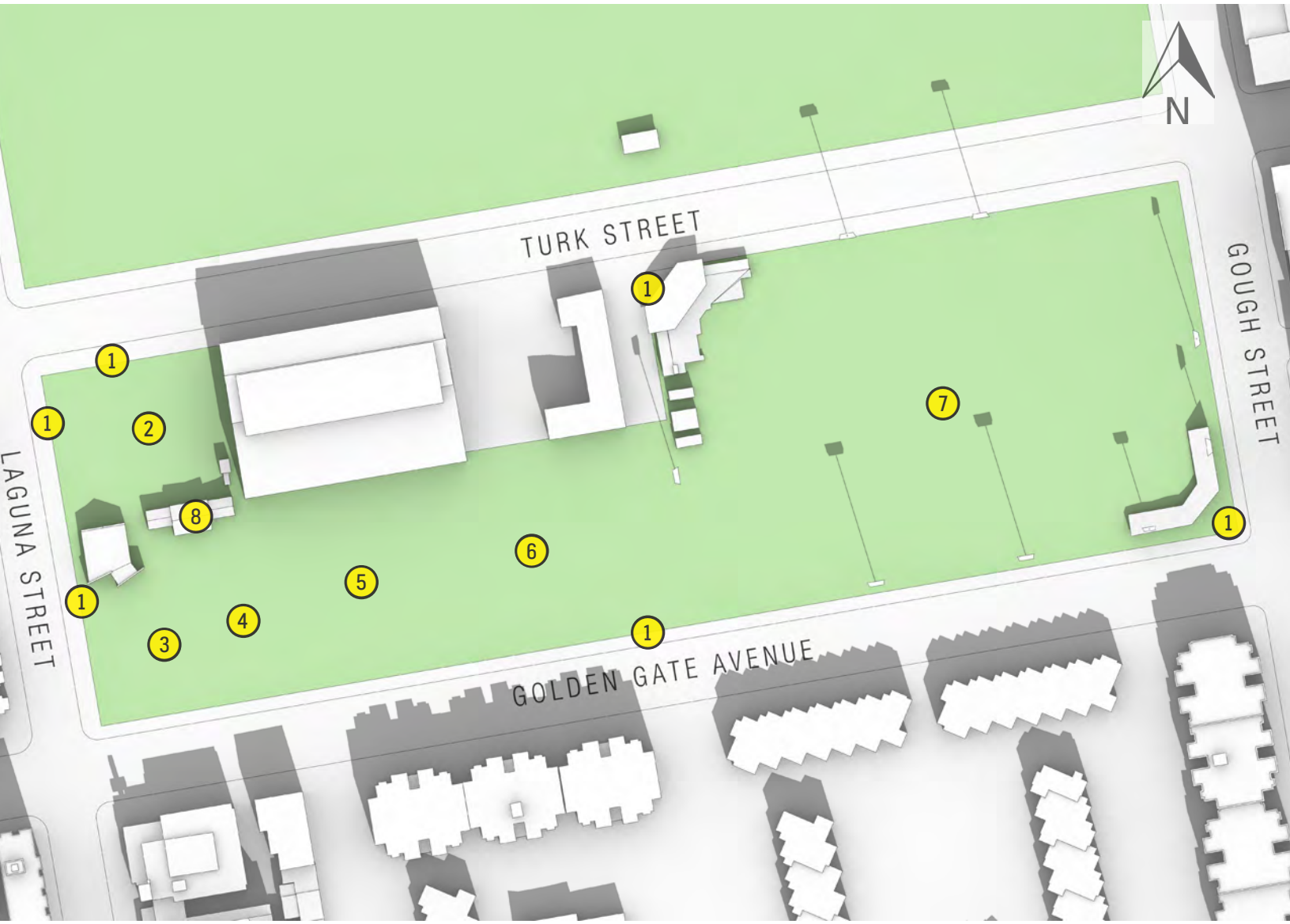
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

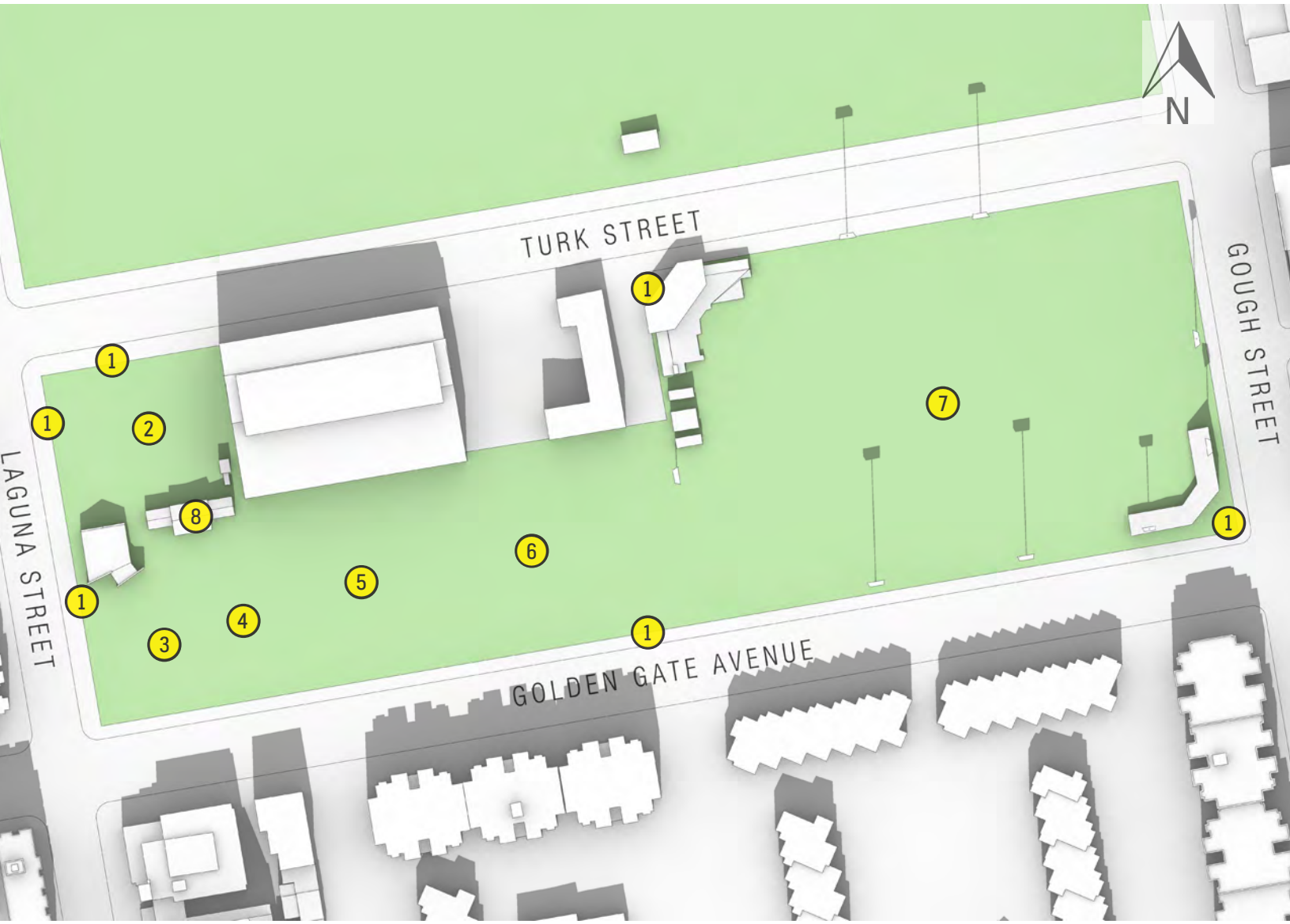
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

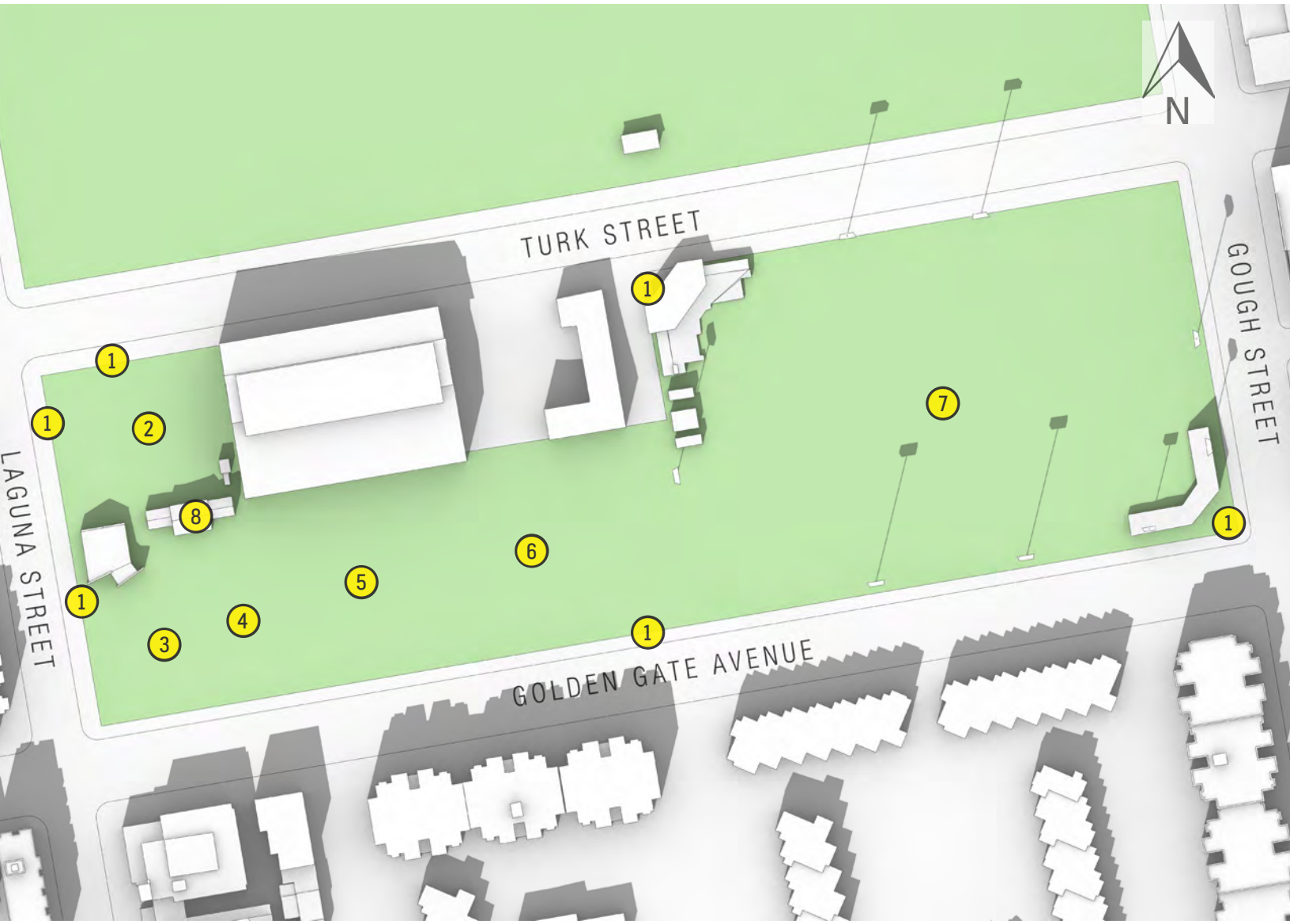
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

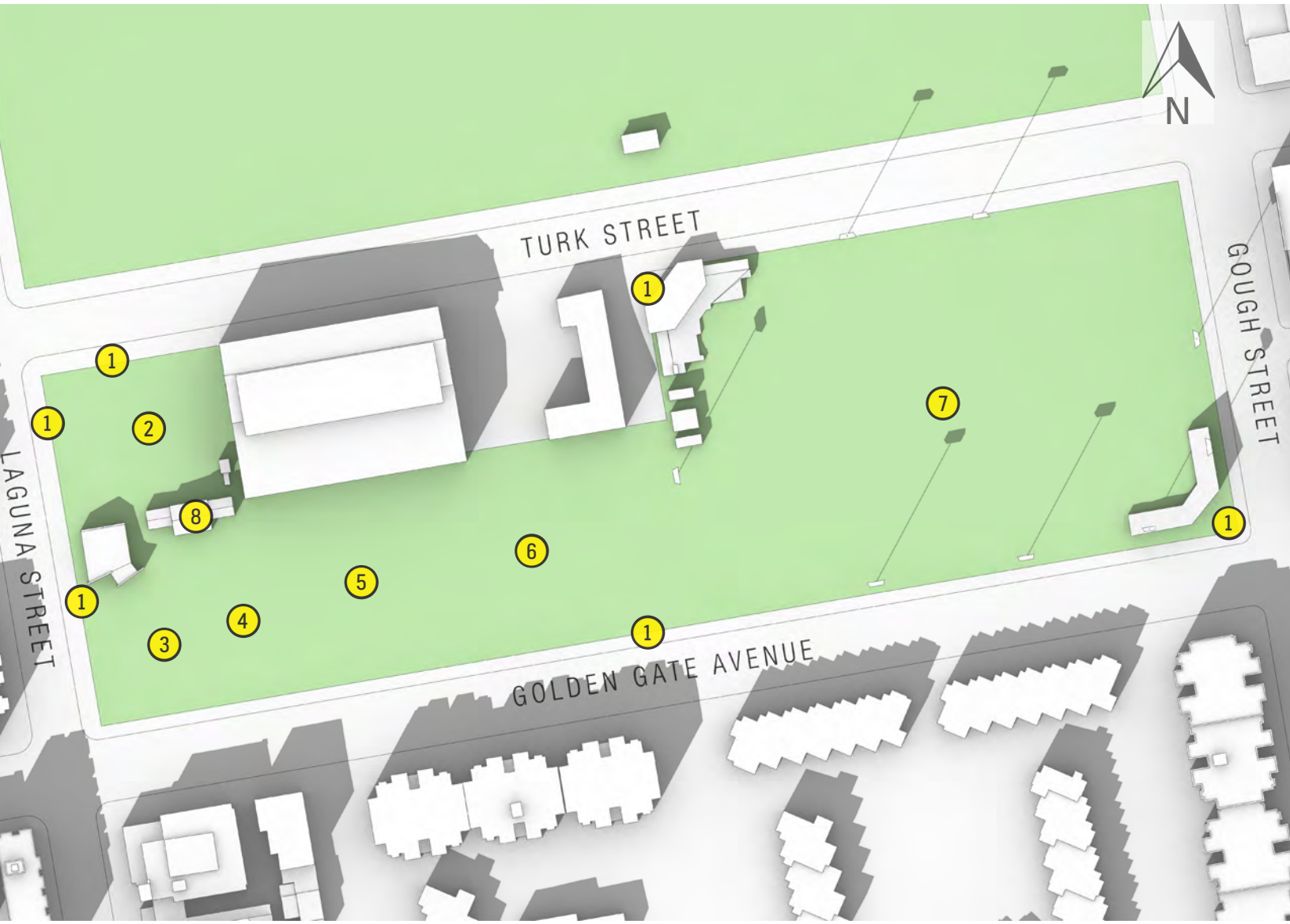
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

3:54 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.1

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

8:19 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.2

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

8:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.3

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

8:45 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.4

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

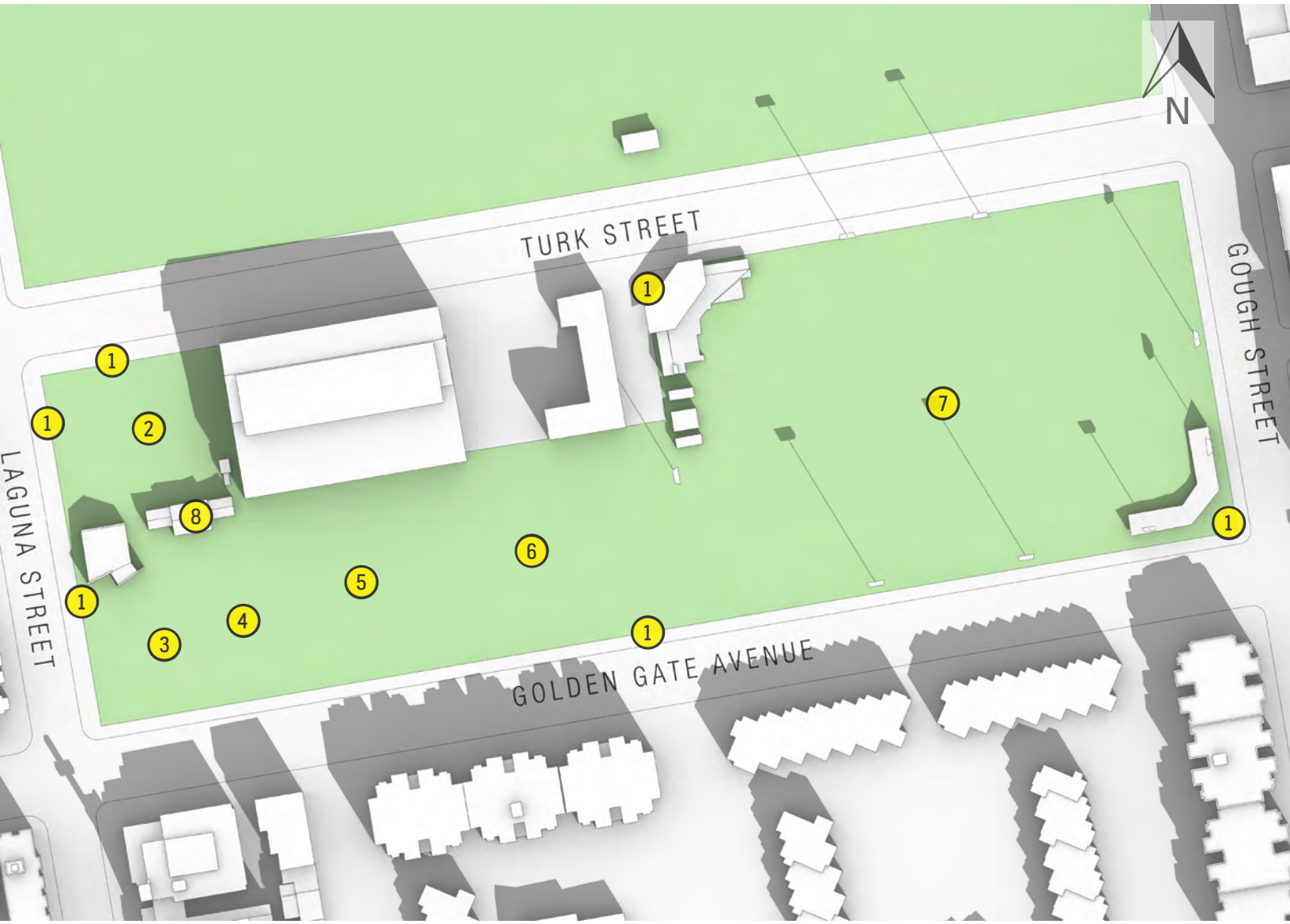
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.5

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

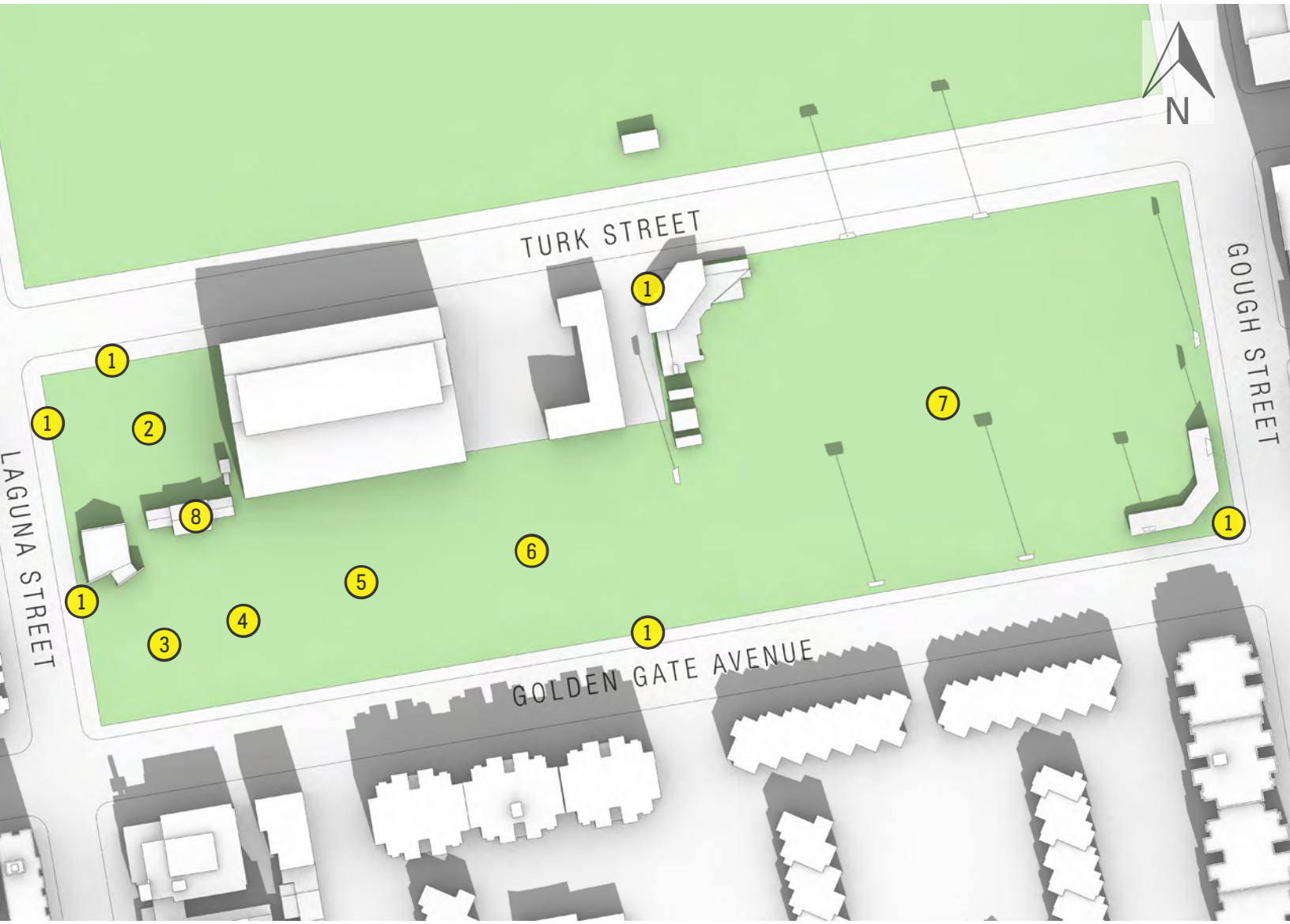
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.6

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

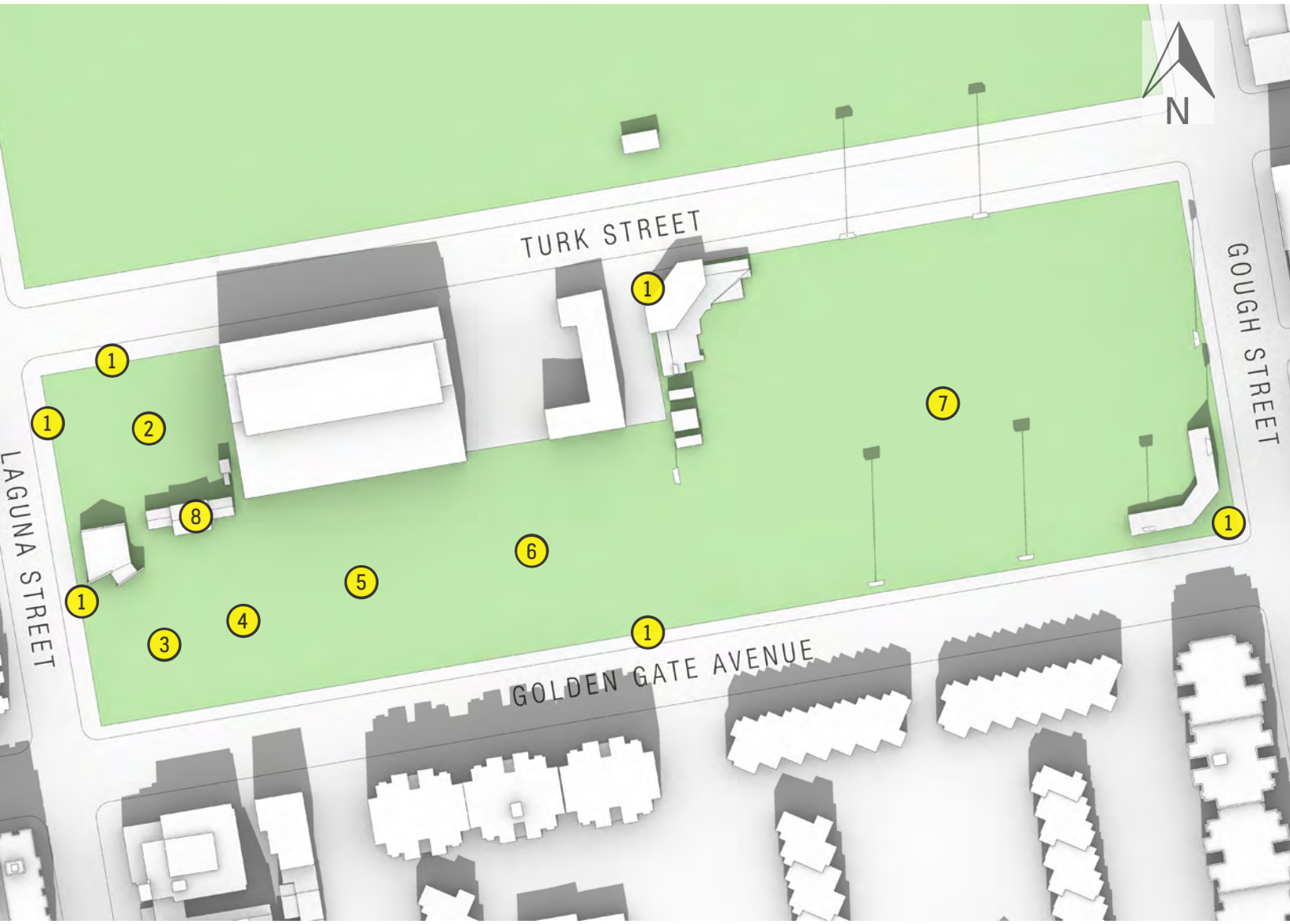
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.7

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

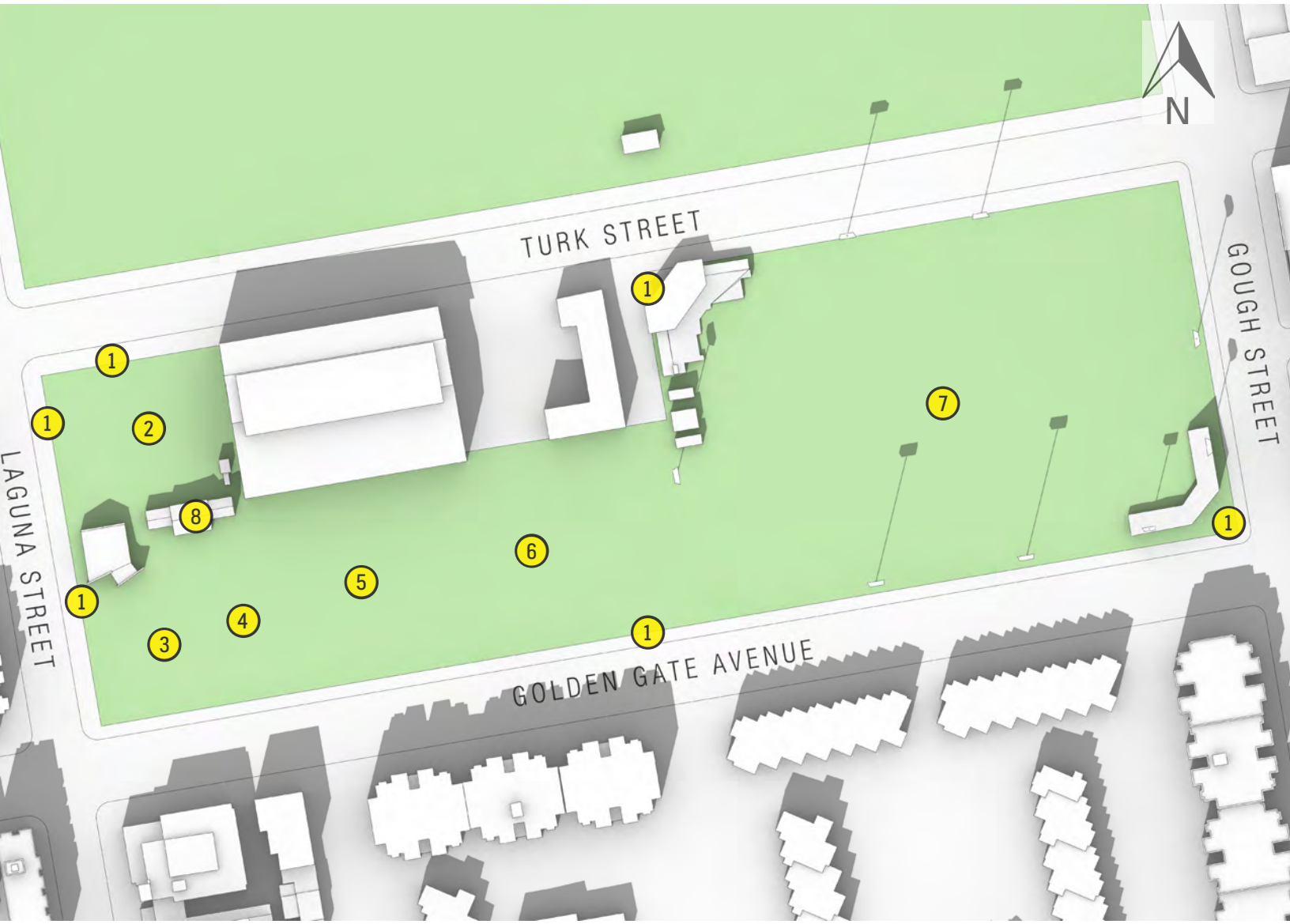
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.8

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

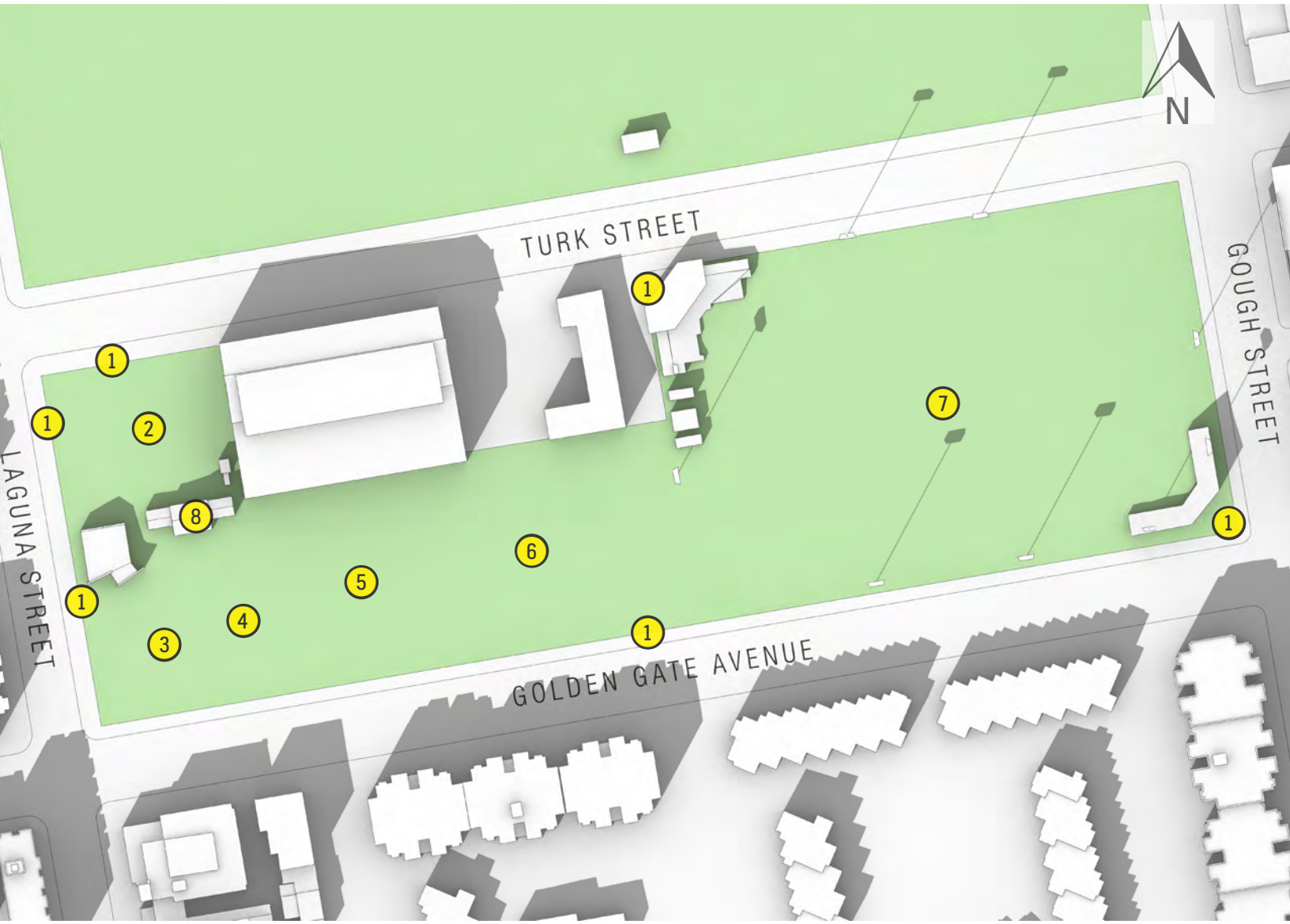
Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.9

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.10

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

E2V.11

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Margaret Hayward Playground



DATE OF MAXIMUM NET NEW SHADOW
DECEMBER 20

3:54 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Tennis Courts
3. Children's Playground
4. Fixed Benches
5. Grass Area
6. Multi-purpose hardcourts
7. Ball Fields
8. Clubhouse

EXHIBIT E3: BUCHANAN STREET MALL GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E3H - Max Days for the Hub Plan: October 18 & February 22

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

PREVISION DESIGN

E3H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

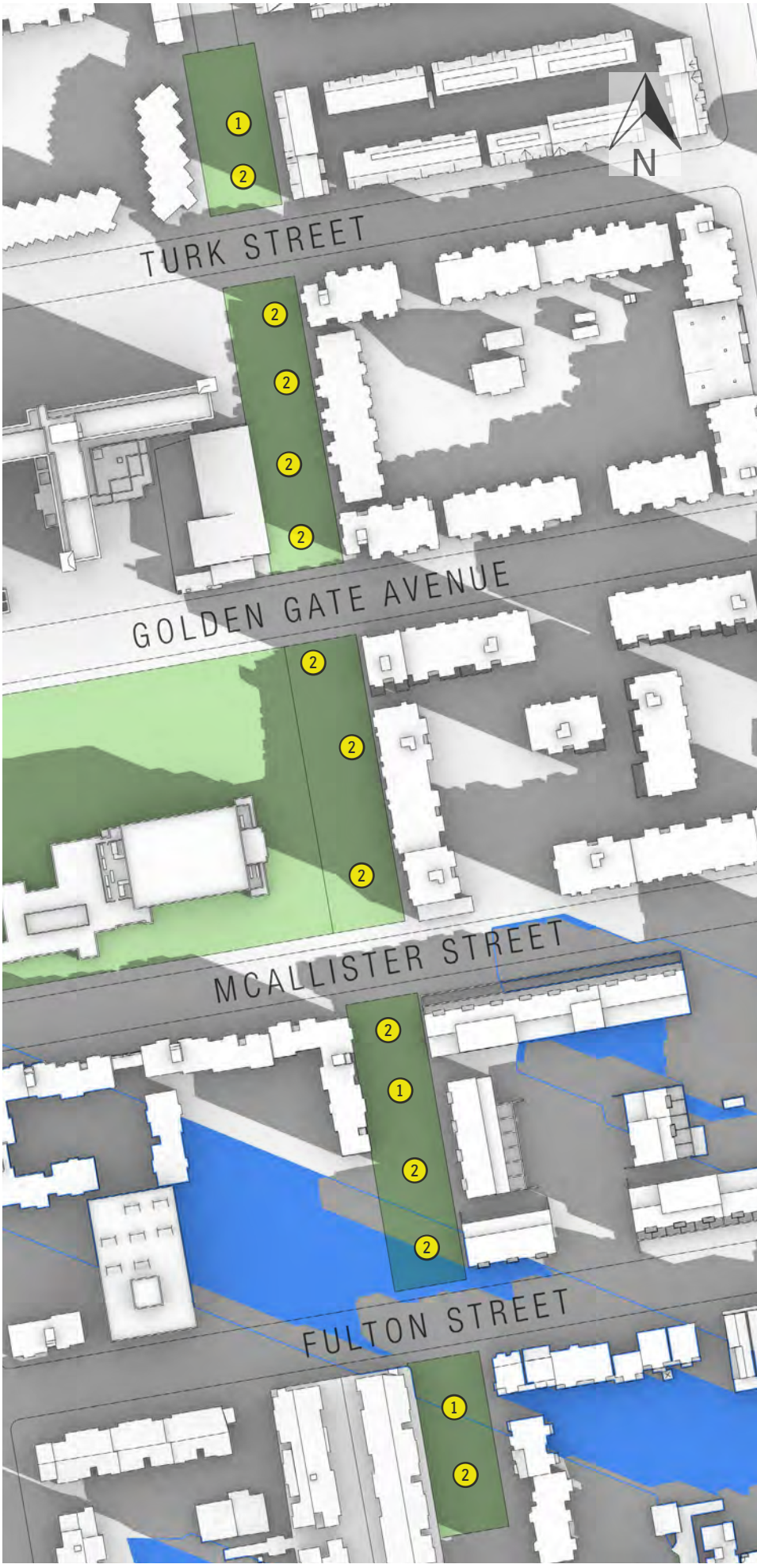
1. Playground
2. Landscape Area

8:22 AM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

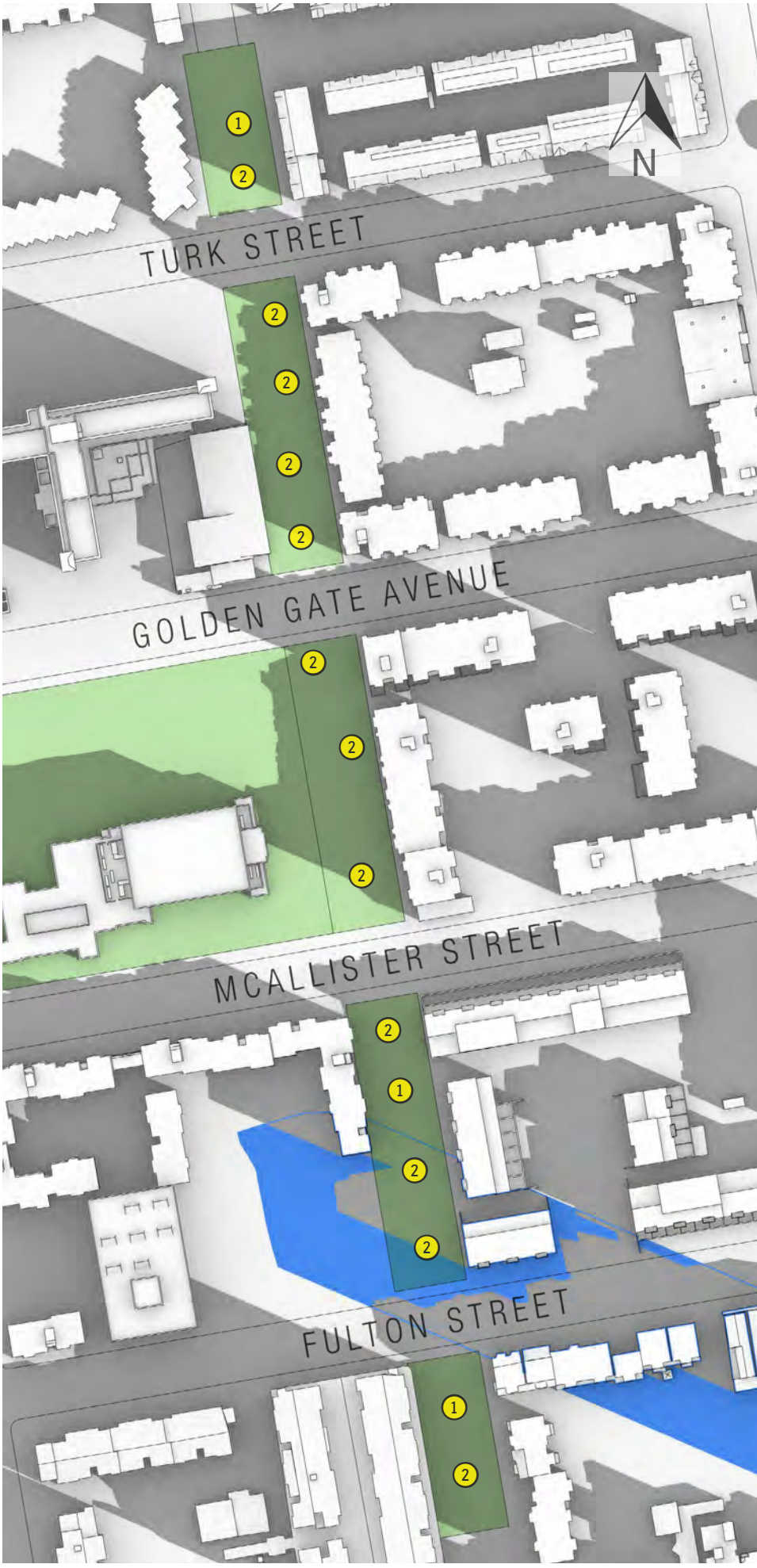
1. Playground
2. Landscape Area

8:30 AM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

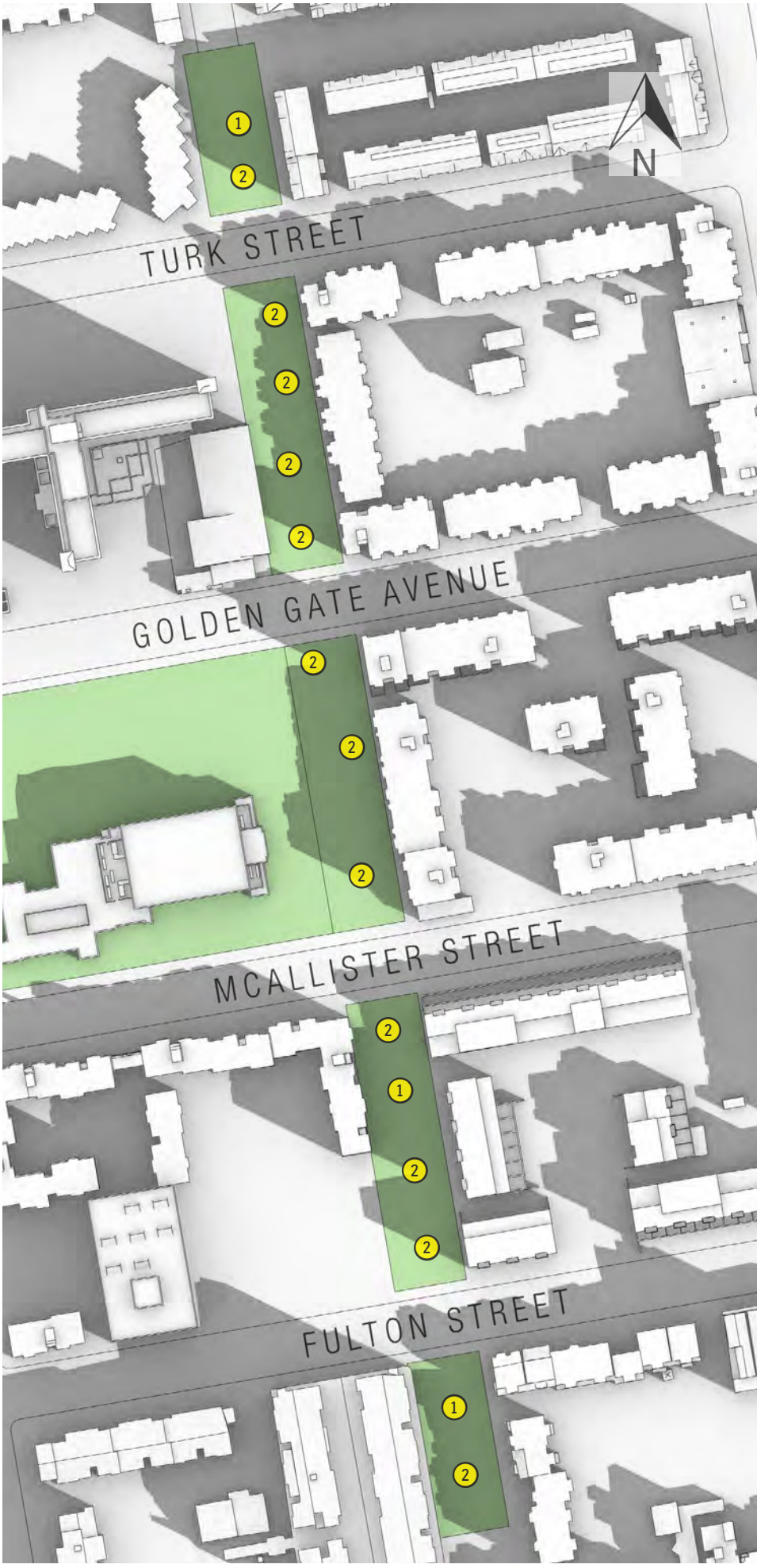
1. Playground
2. Landscape Area

8:45 AM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

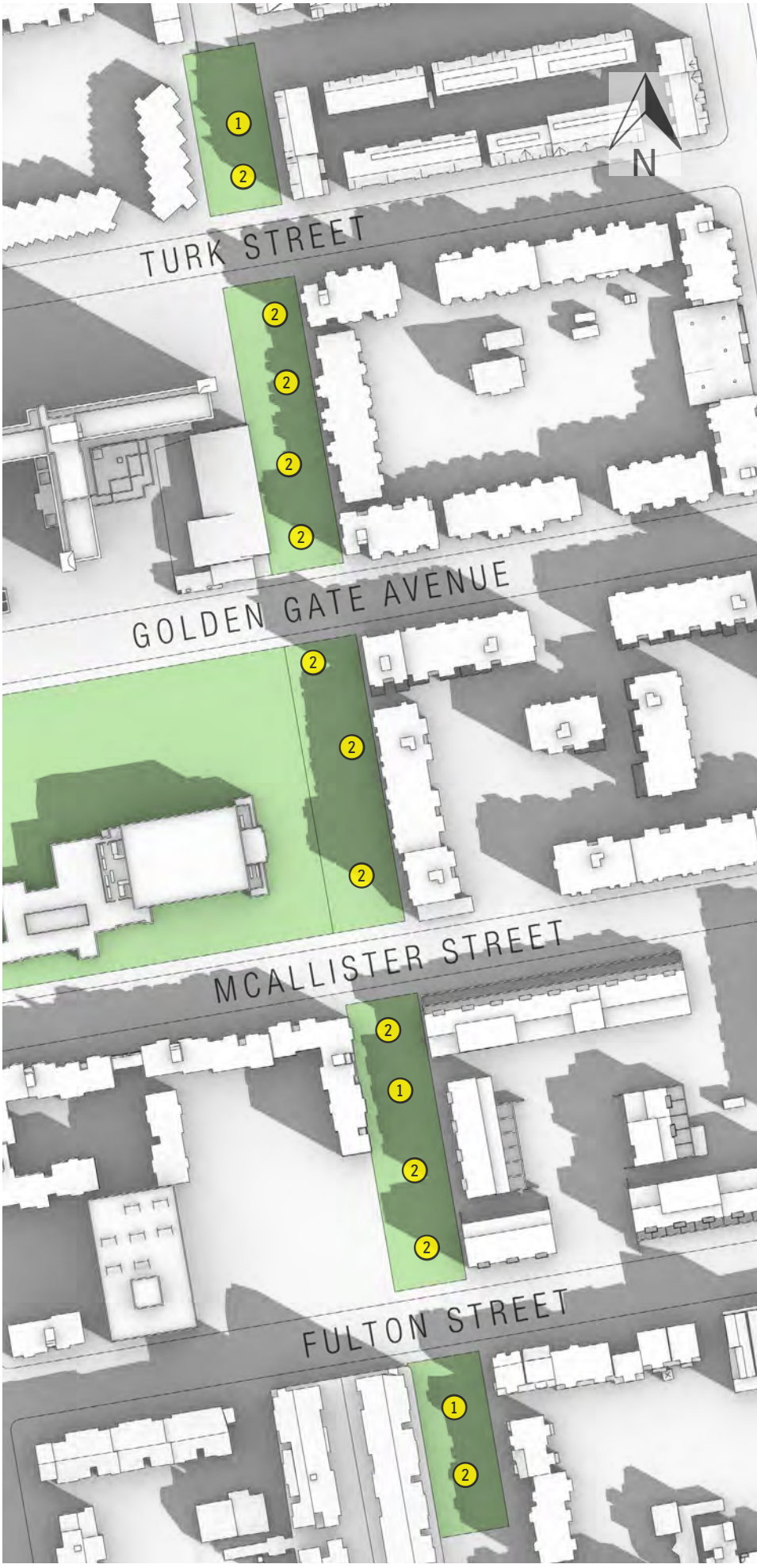
1. Playground
2. Landscape Area

9:00 AM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

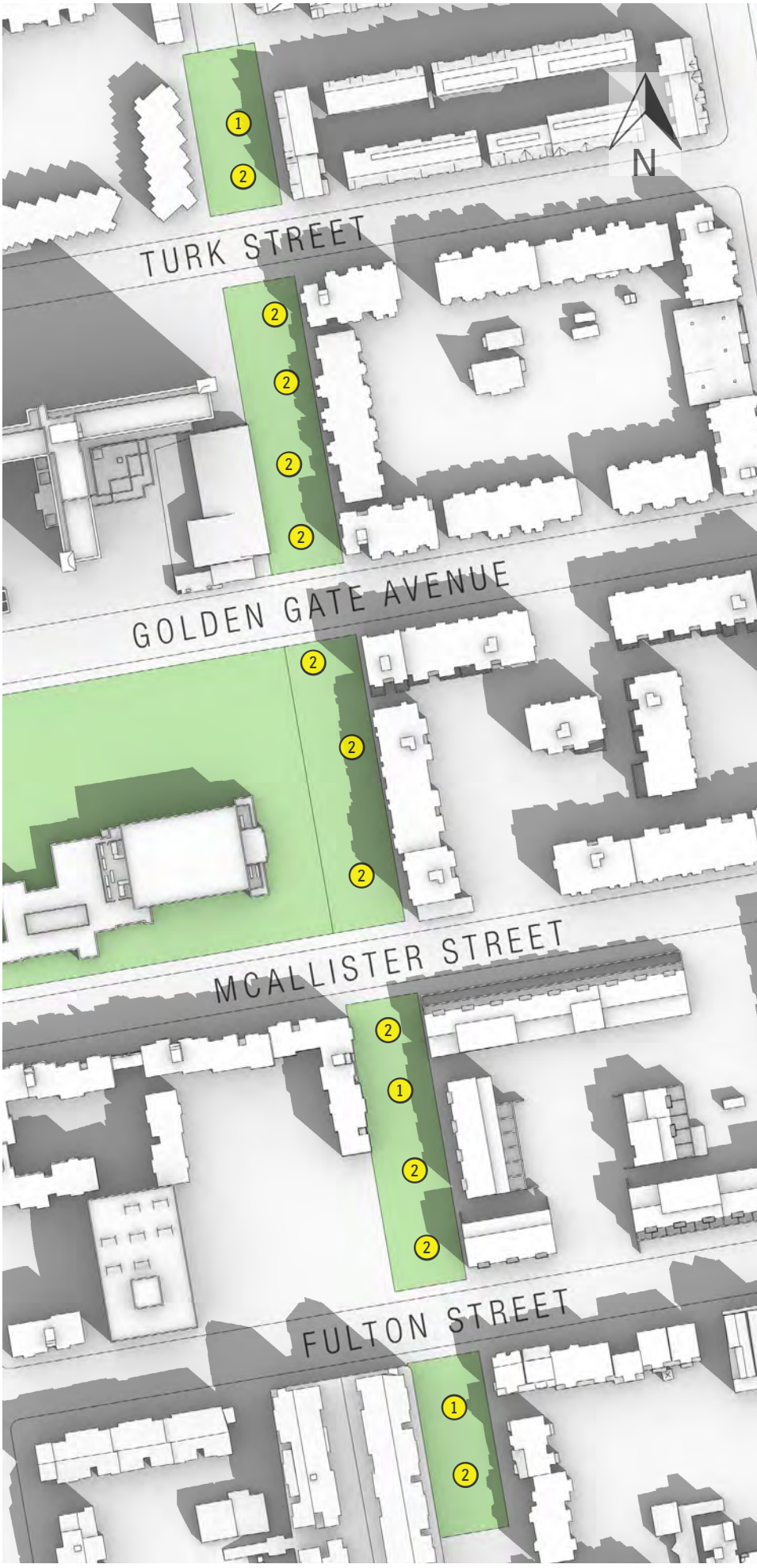
1. Playground
2. Landscape Area

10:00 AM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

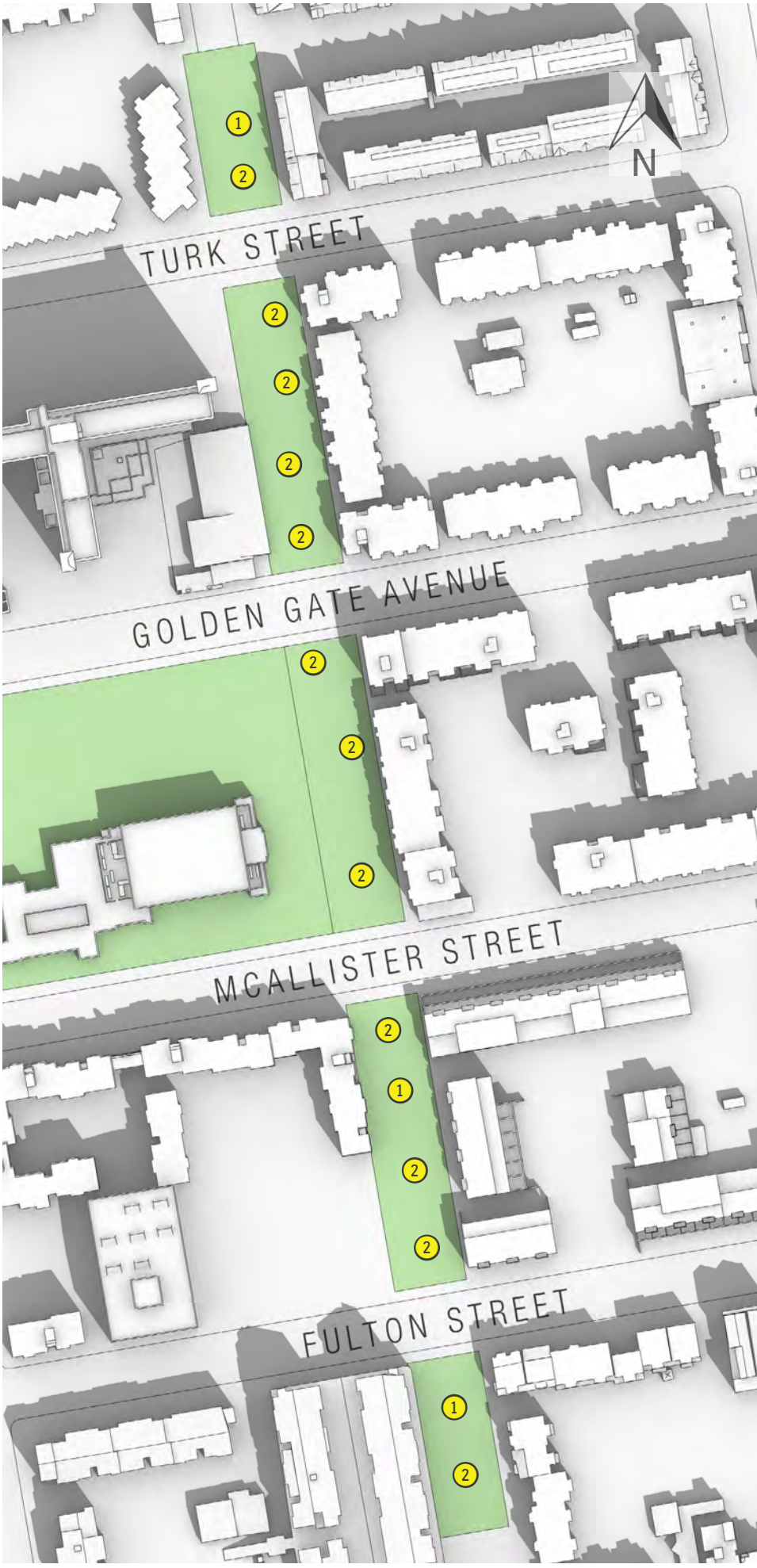
1. Playground
2. Landscape Area

11:00 AM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

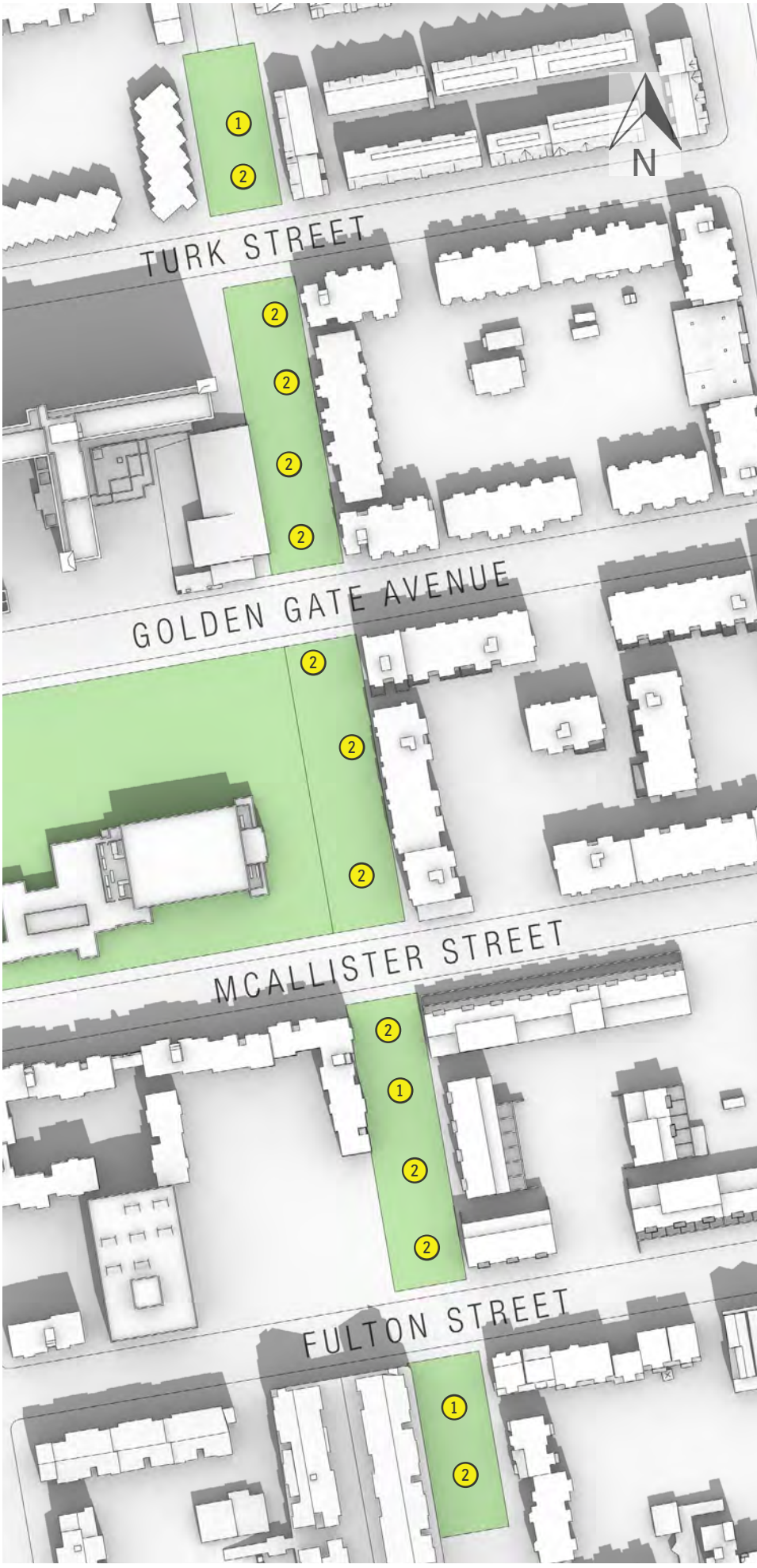
1. Playground
2. Landscape Area

12:00 PM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

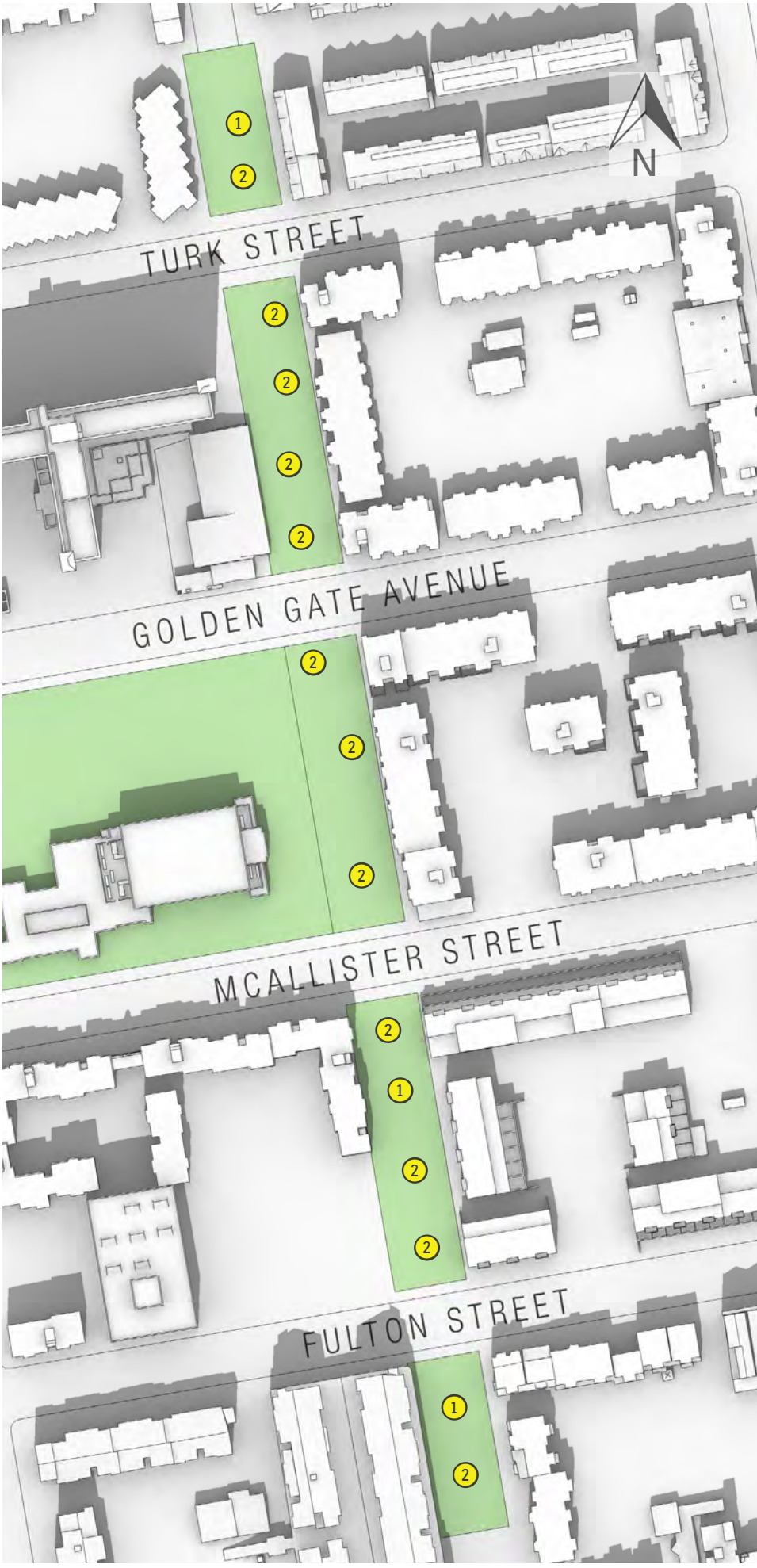
1. Playground
2. Landscape Area

1:00 PM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

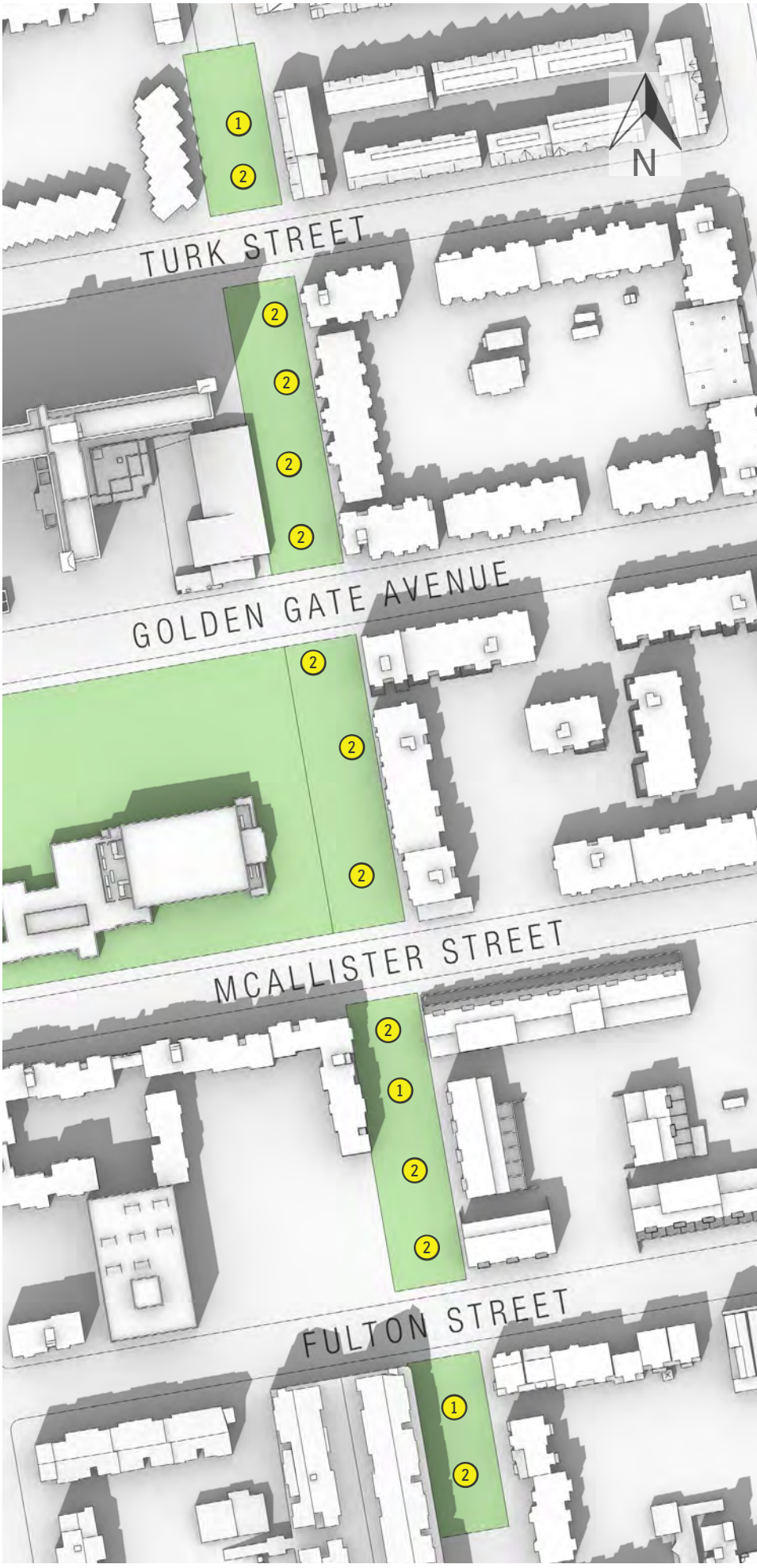
1. Playground
2. Landscape Area

2:00 PM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

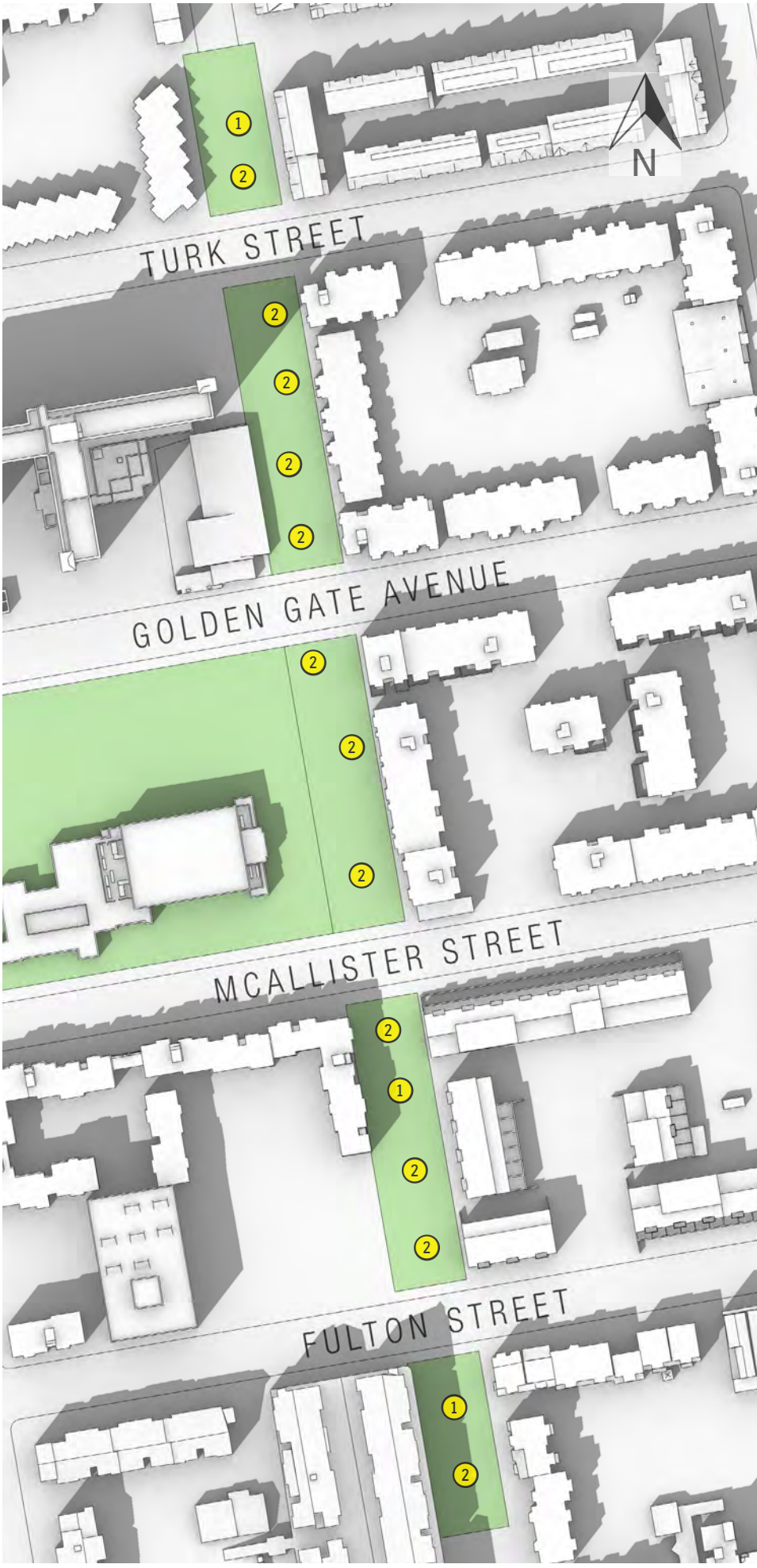
1. Playground
2. Landscape Area

3:00 PM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

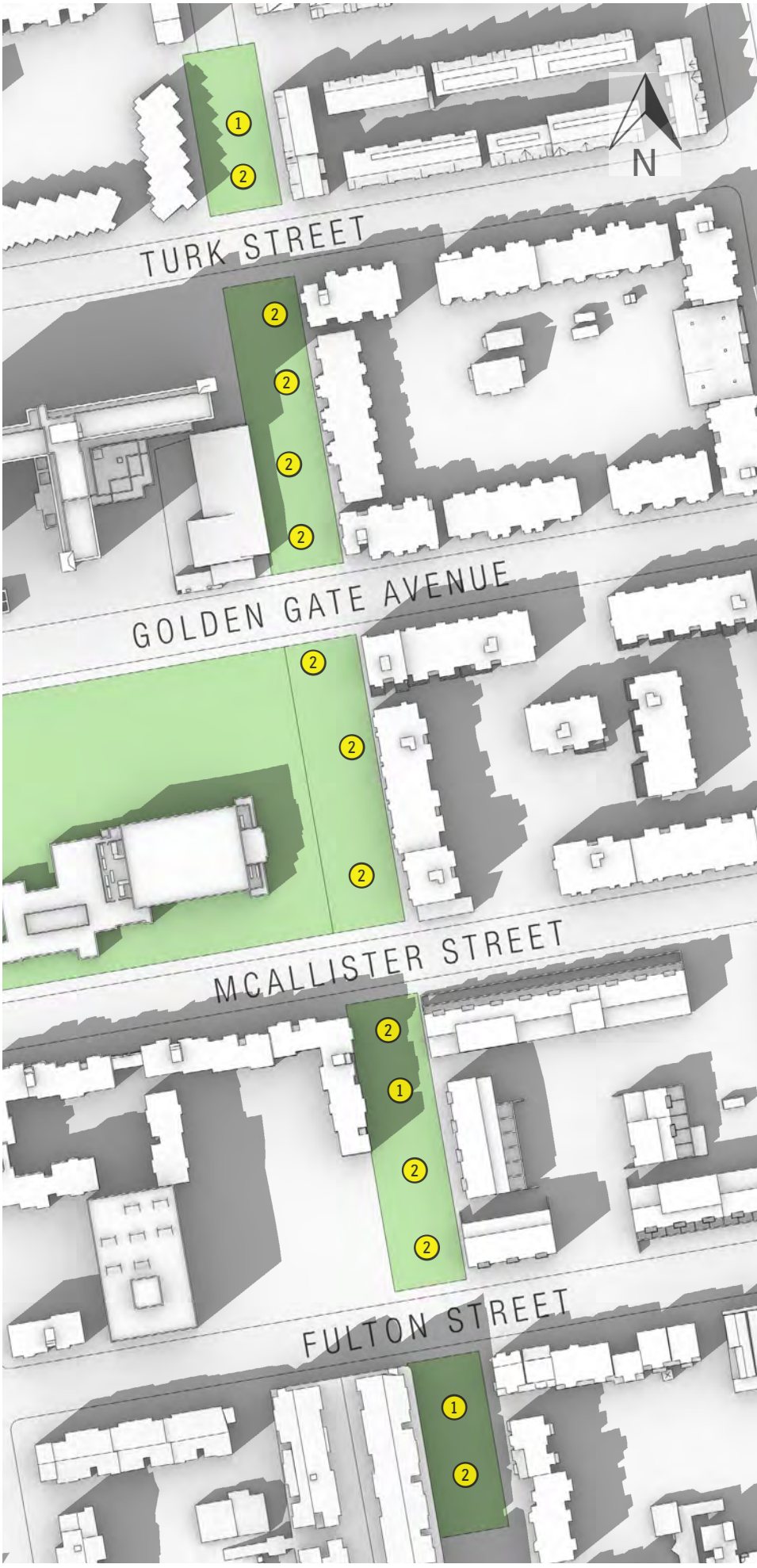
1. Playground
2. Landscape Area

4:00 PM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.12

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

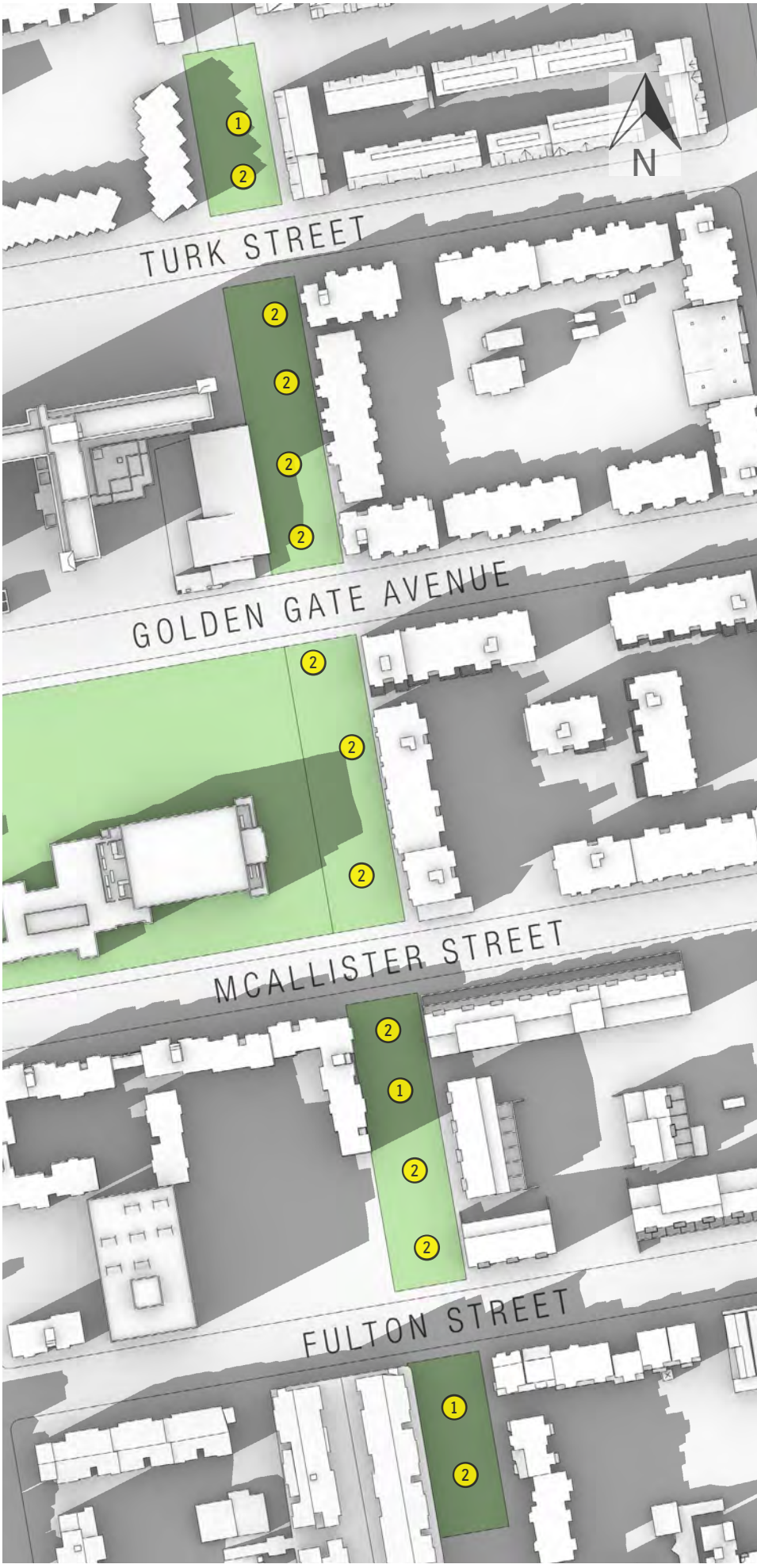
1. Playground
2. Landscape Area

5:00 PM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects



PREVISION DESIGN

E3H.13

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Buchanan Street Mall

Buchanan Street Mall Features

1. Playground
2. Landscape Area

5:27 PM

DATES OF MAXIMUM NET NEW SHADOW

OCTOBER 18 & FEBRUARY 22

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

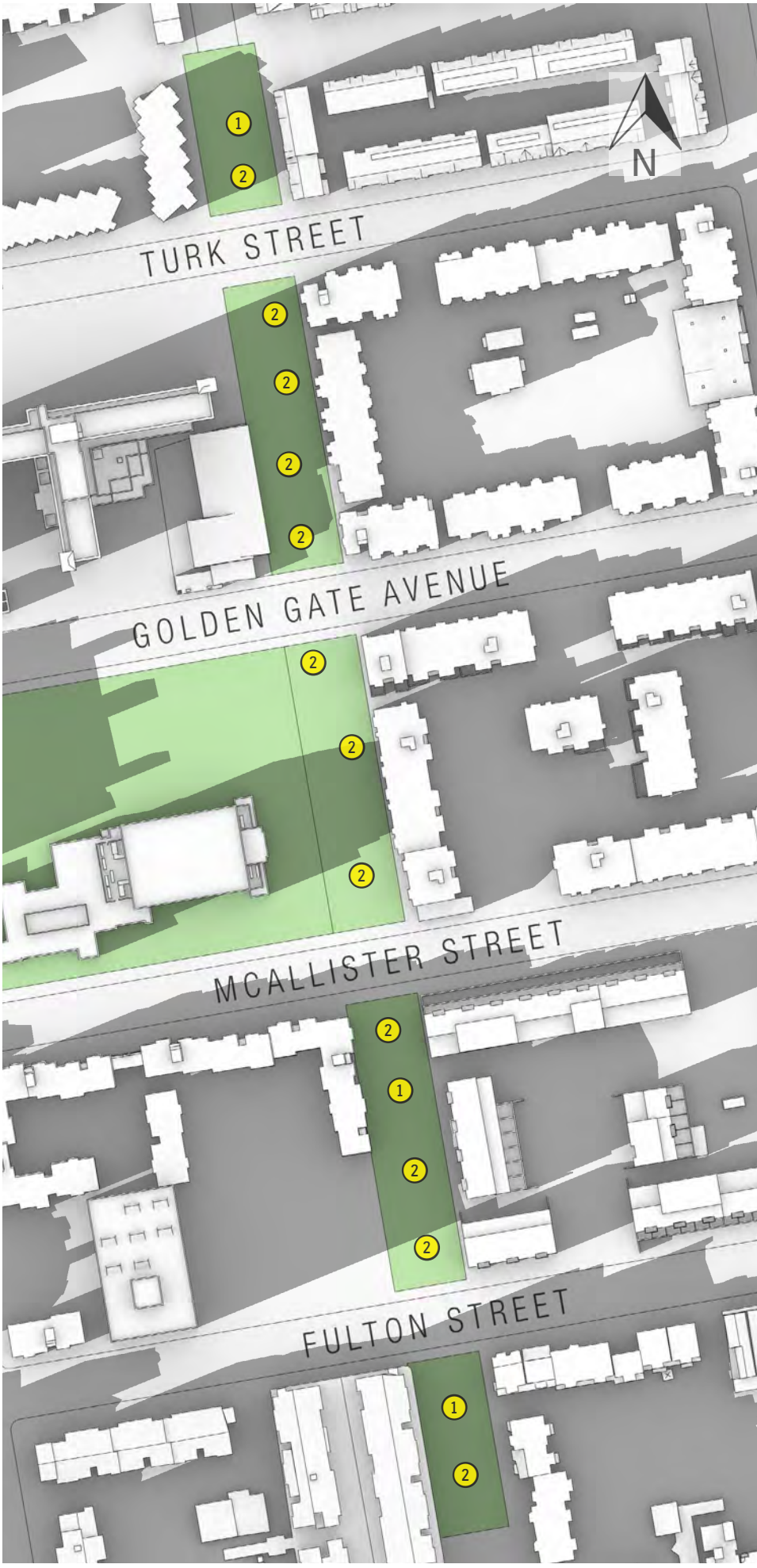


EXHIBIT E4: HAYES VALLEY PLAYGROUND GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E4H - Max Days for the Hub Plan: October 4 & March 8

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

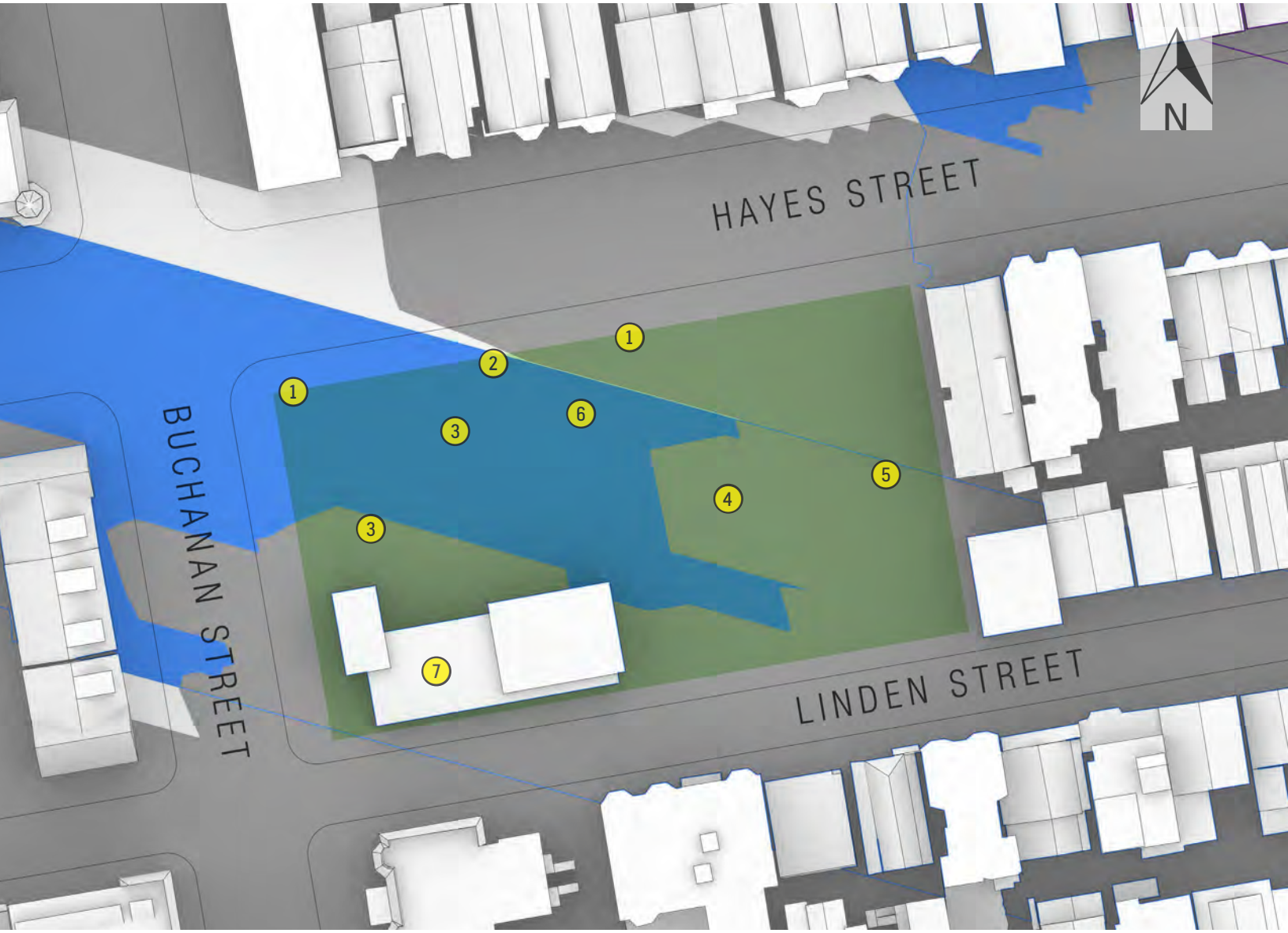
E4V - Max Days for 30 Van Ness Project: September 6 & April 5

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E4H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:09 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:15 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

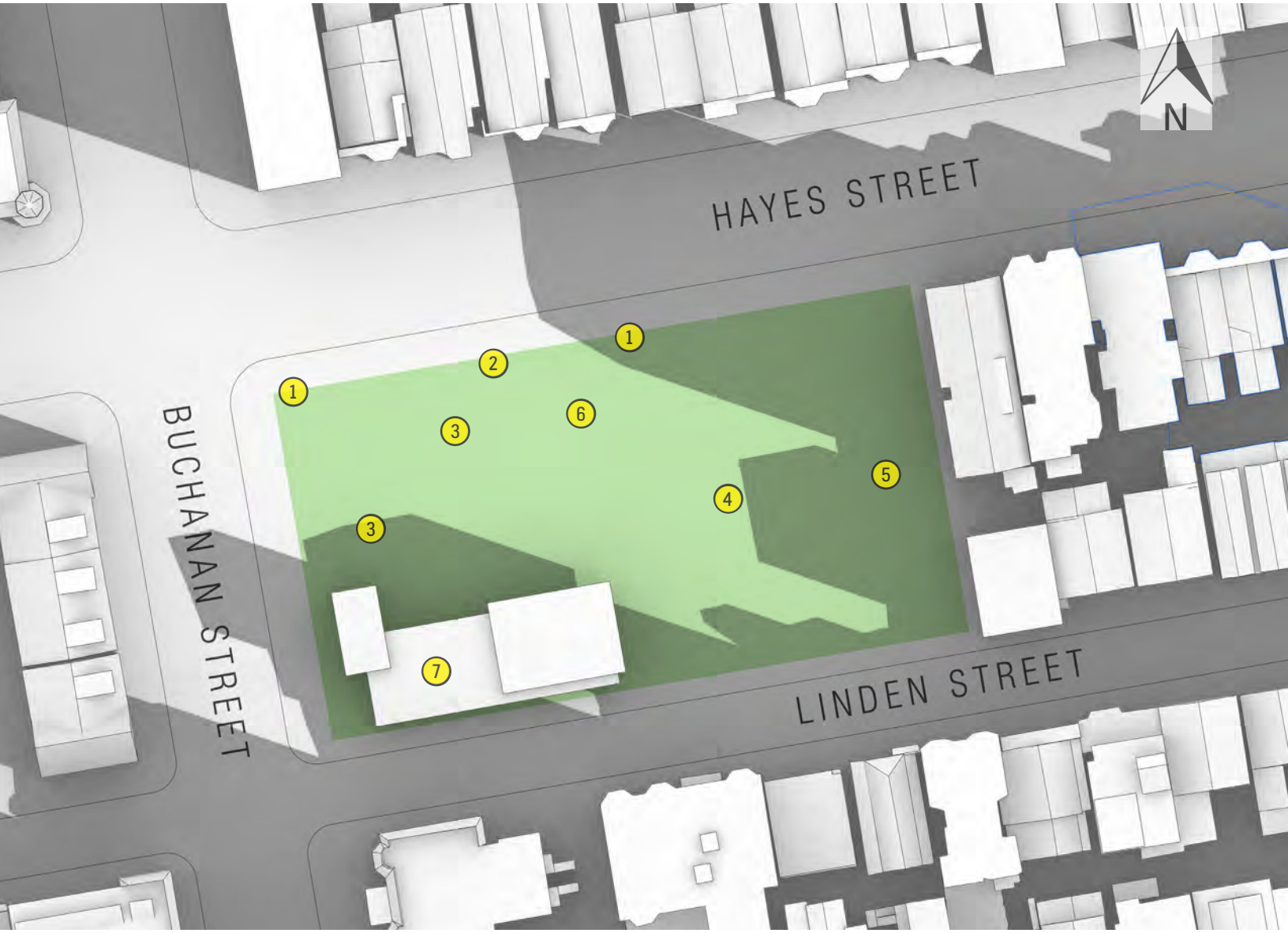
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

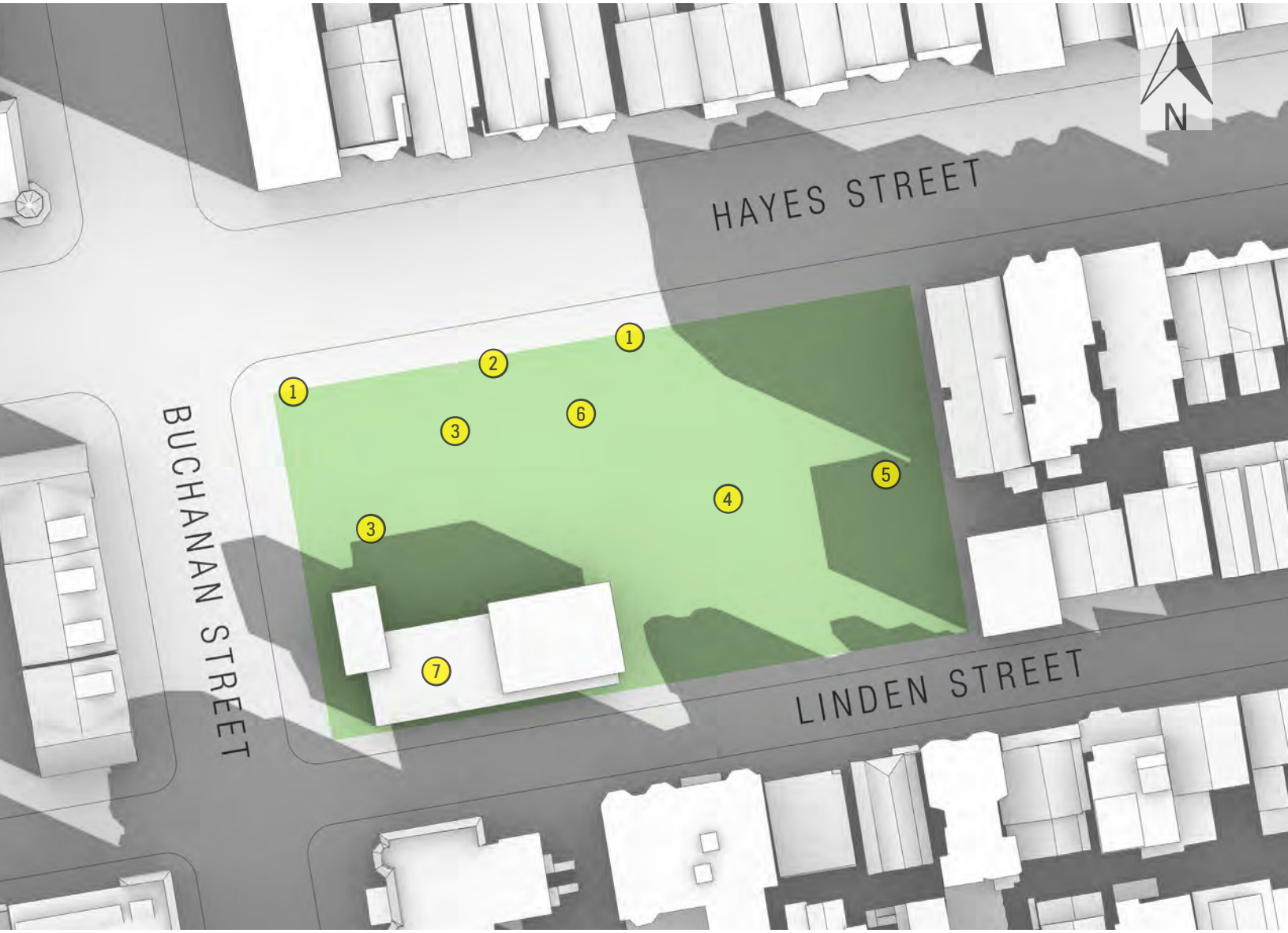
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

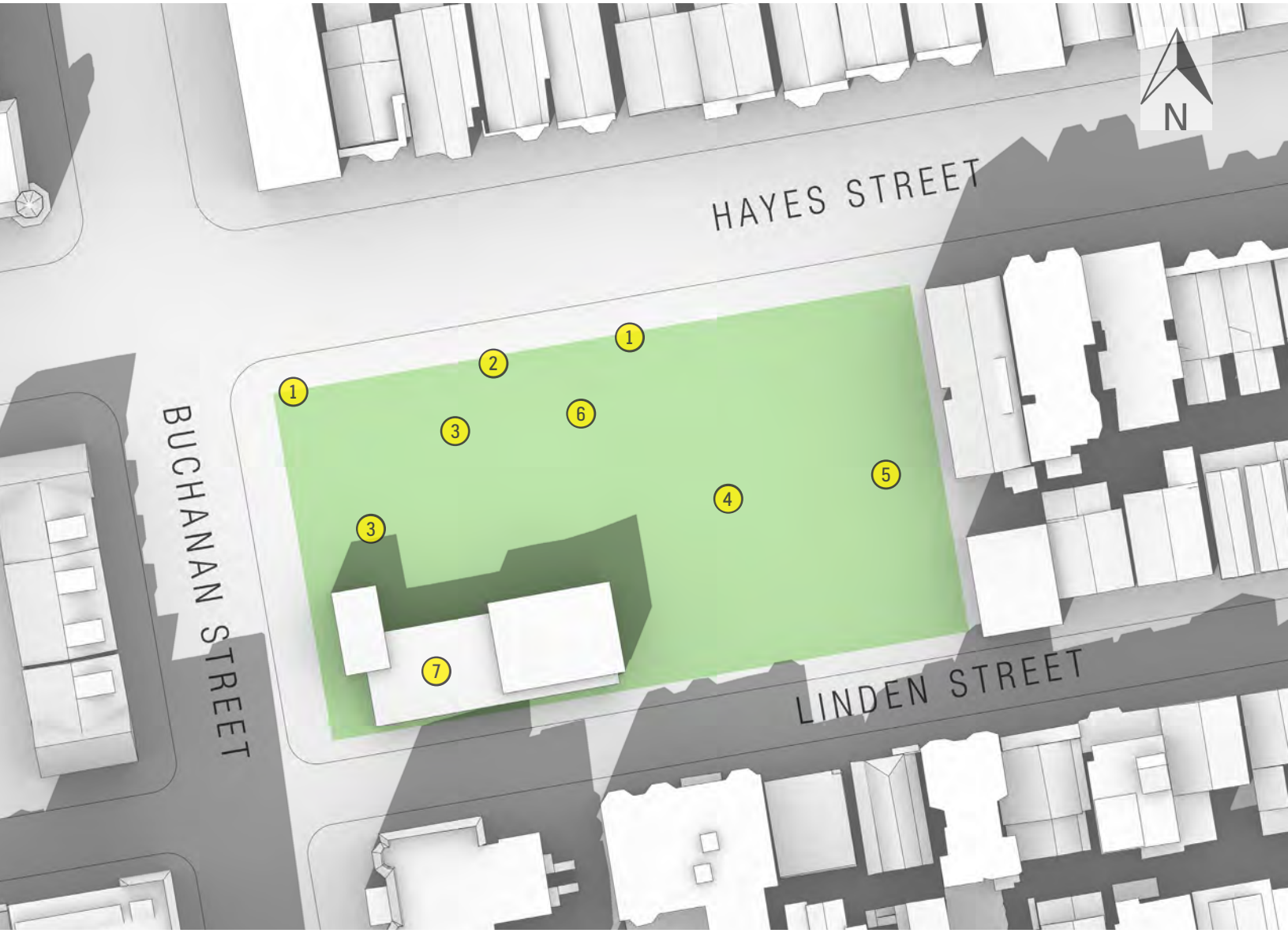
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

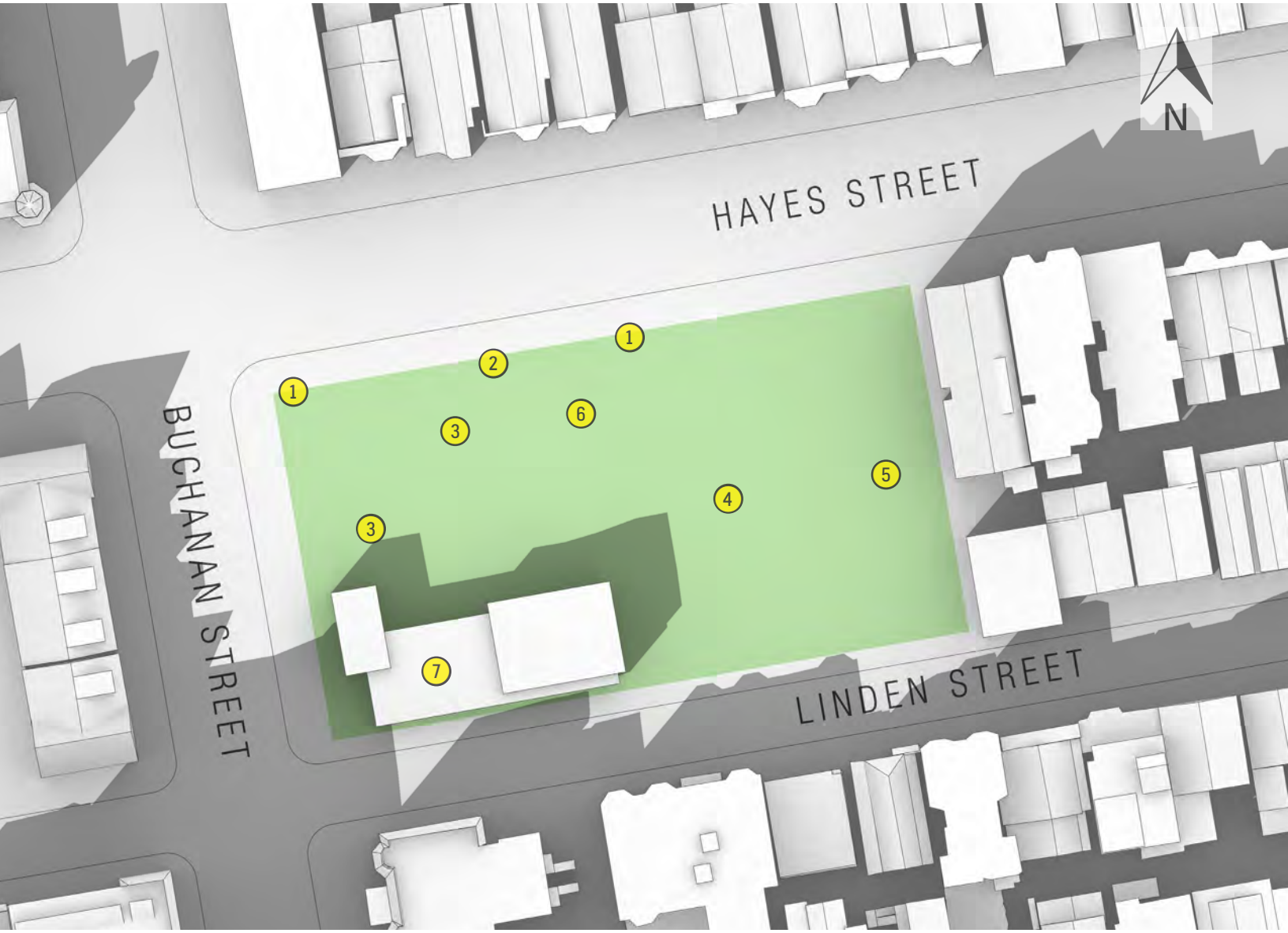
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

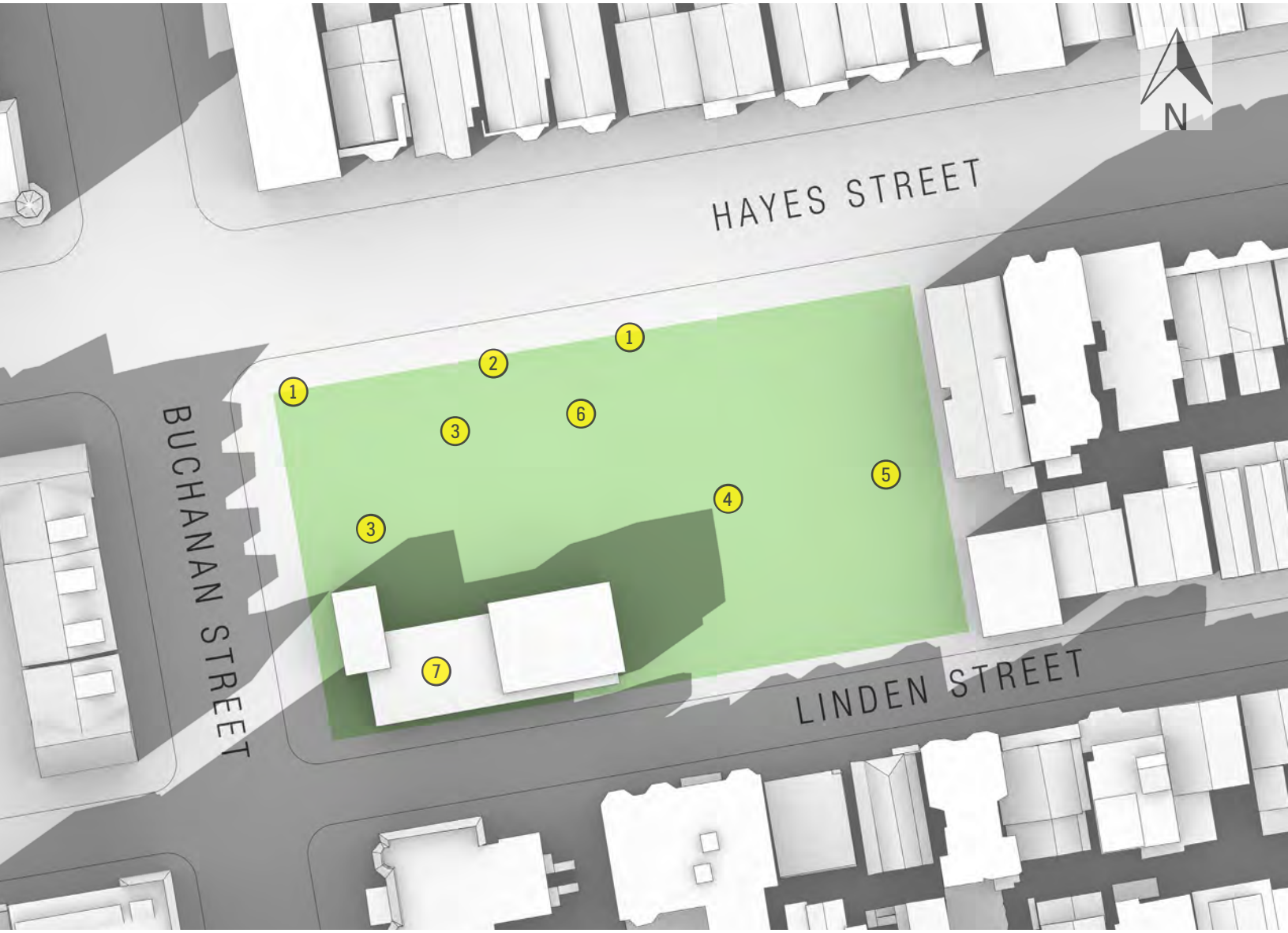
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

4:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

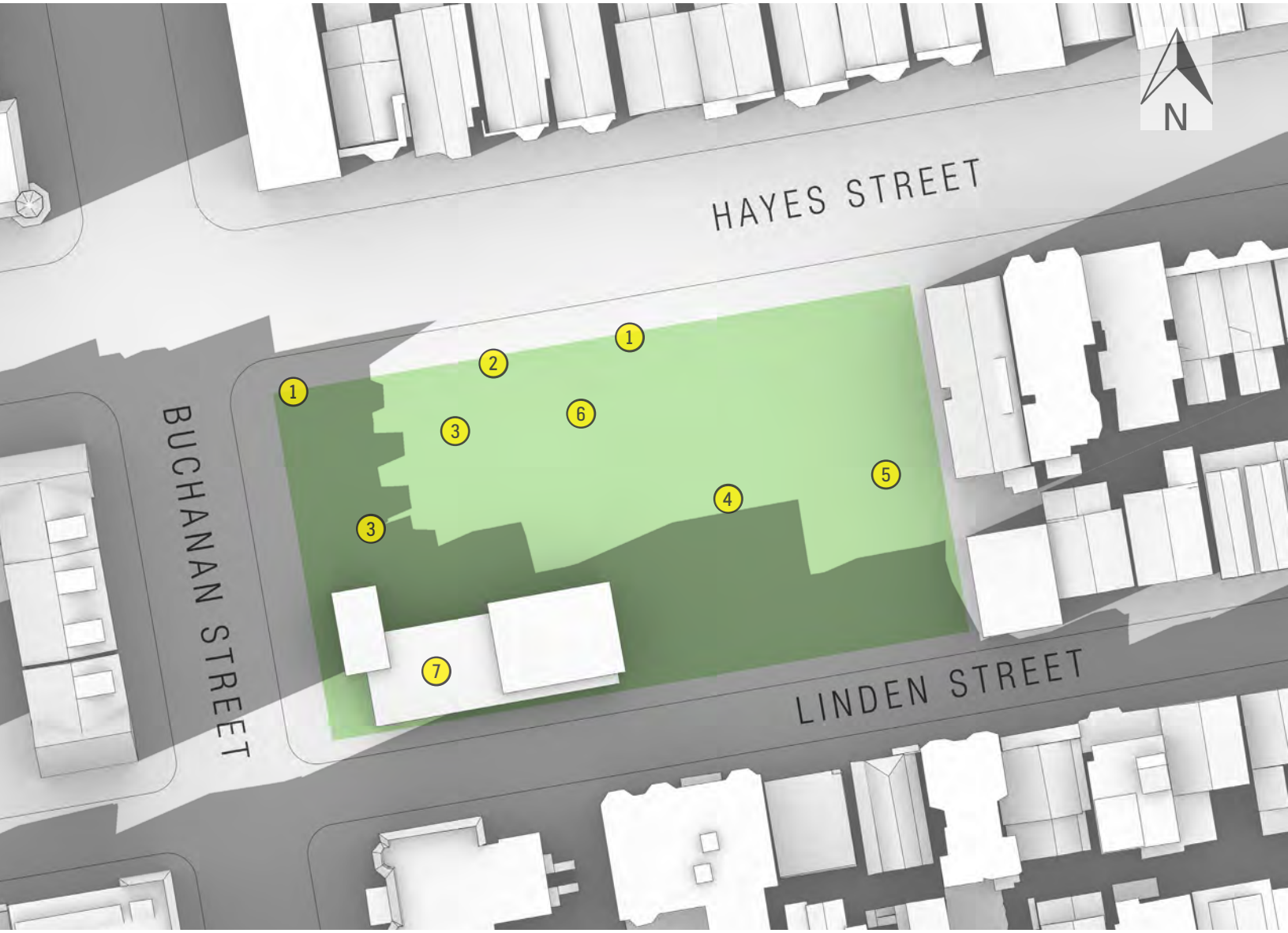
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.12

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4H.13

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

5:47 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.1

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

7:44 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

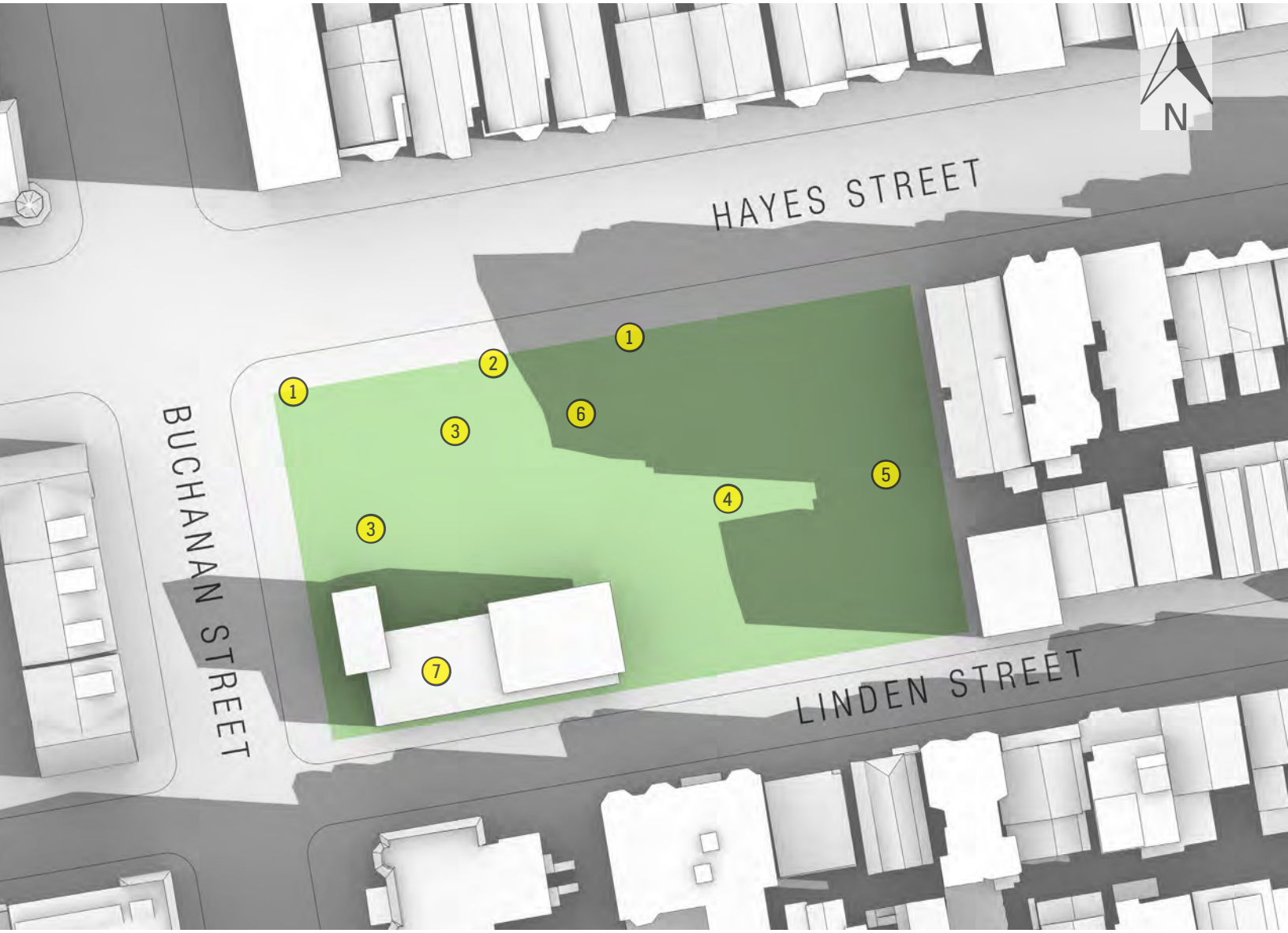
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.2

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

8:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

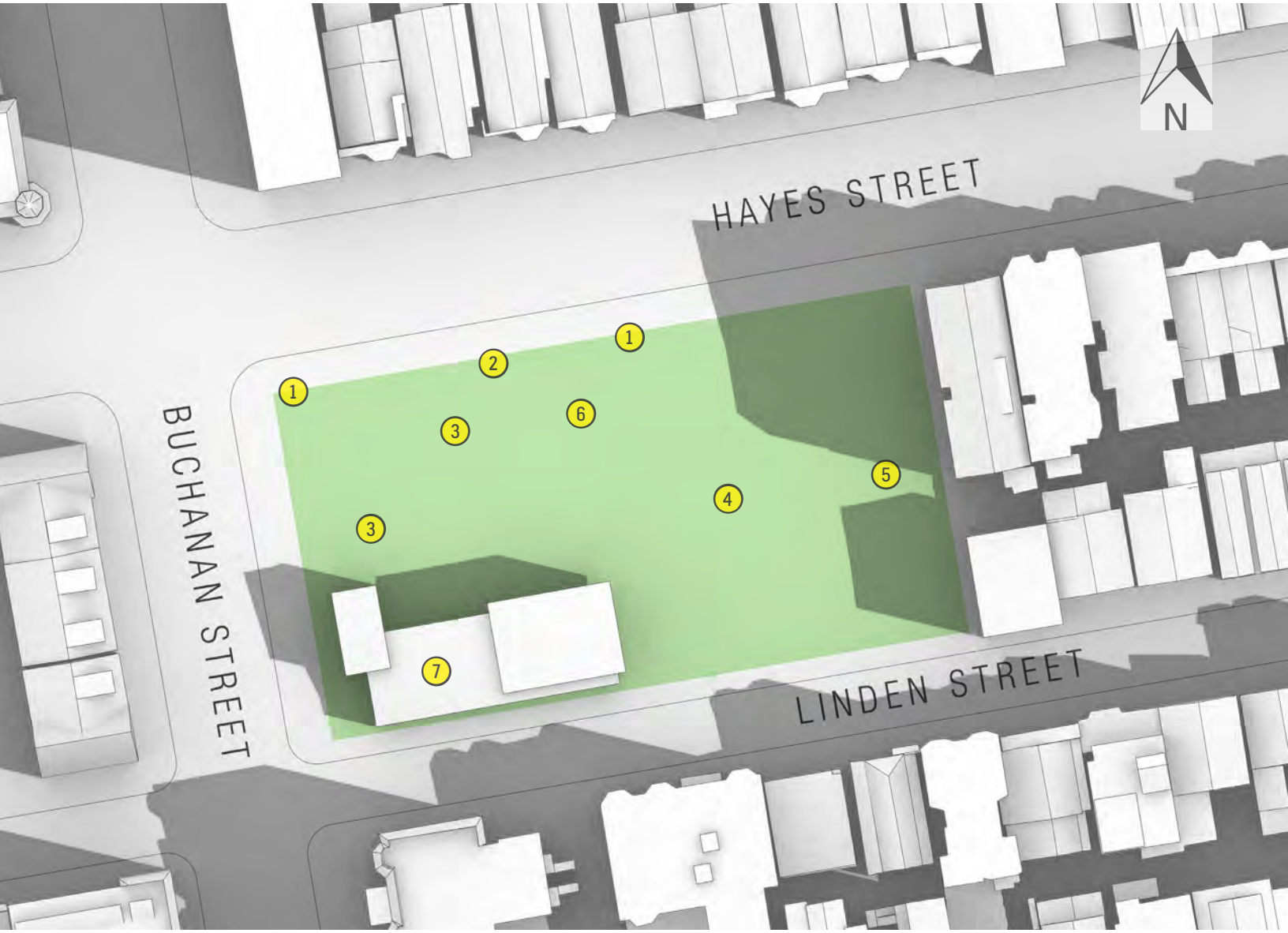
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.3

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.4

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

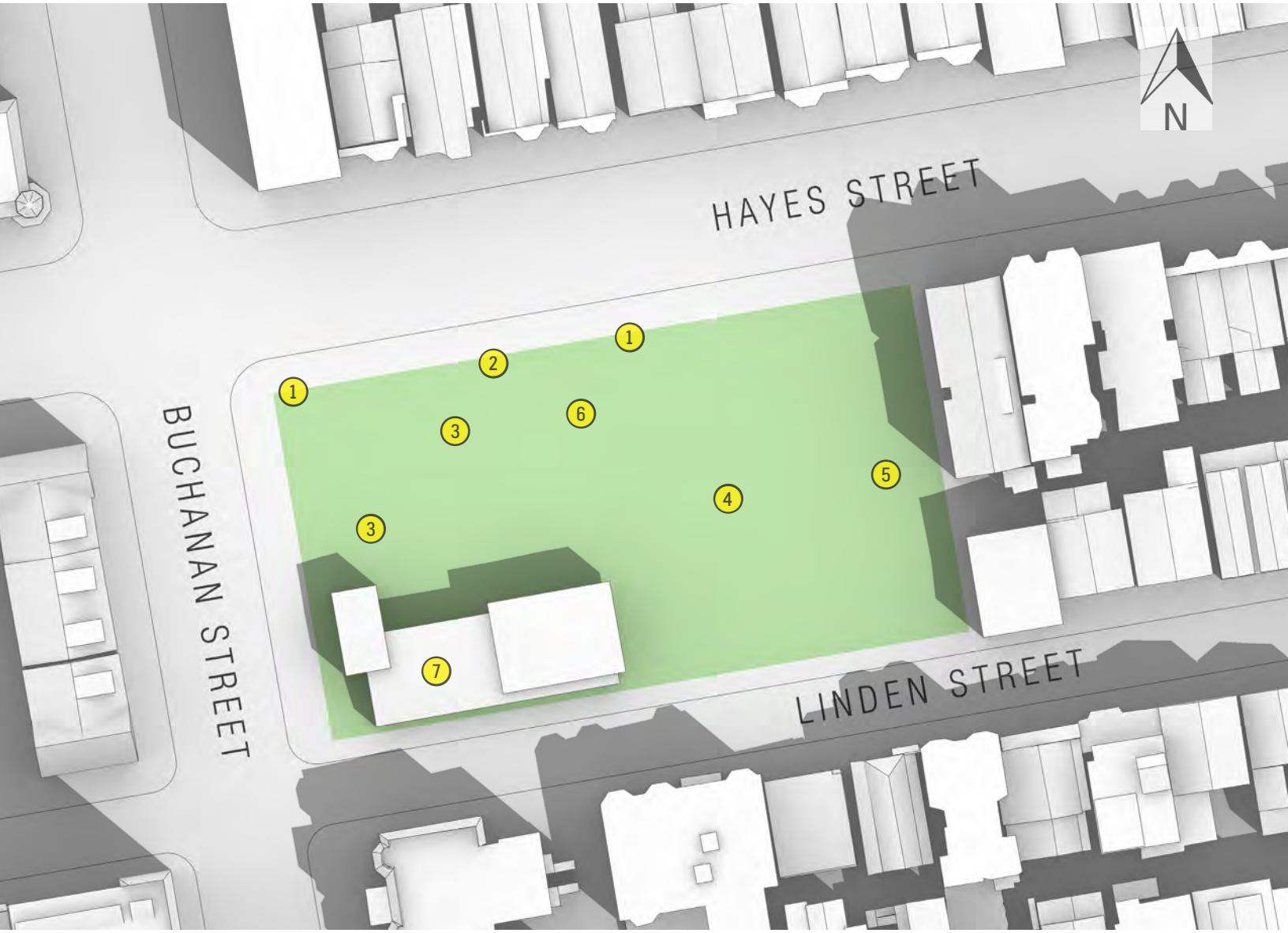
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.5

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

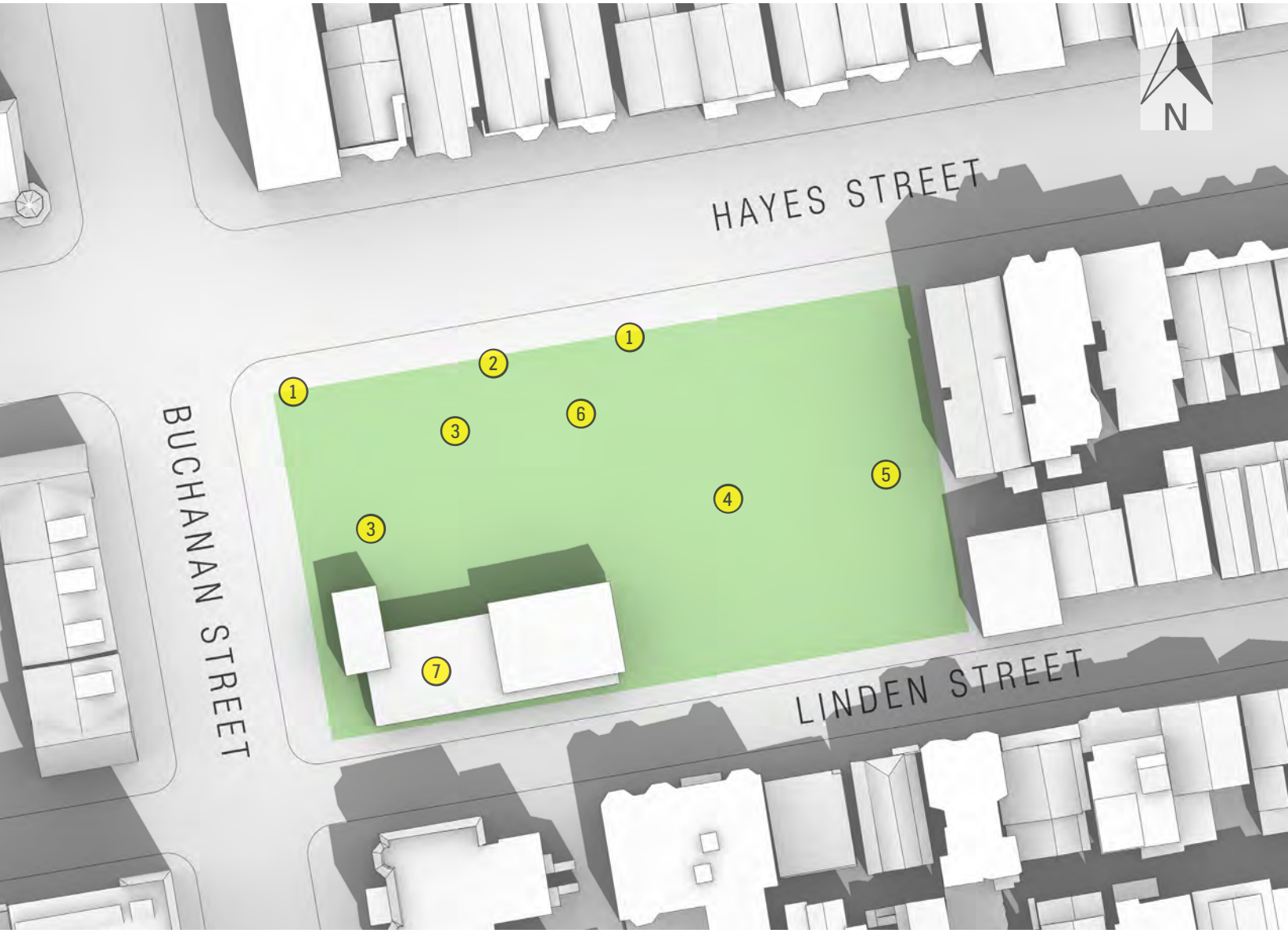
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.6

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.7

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

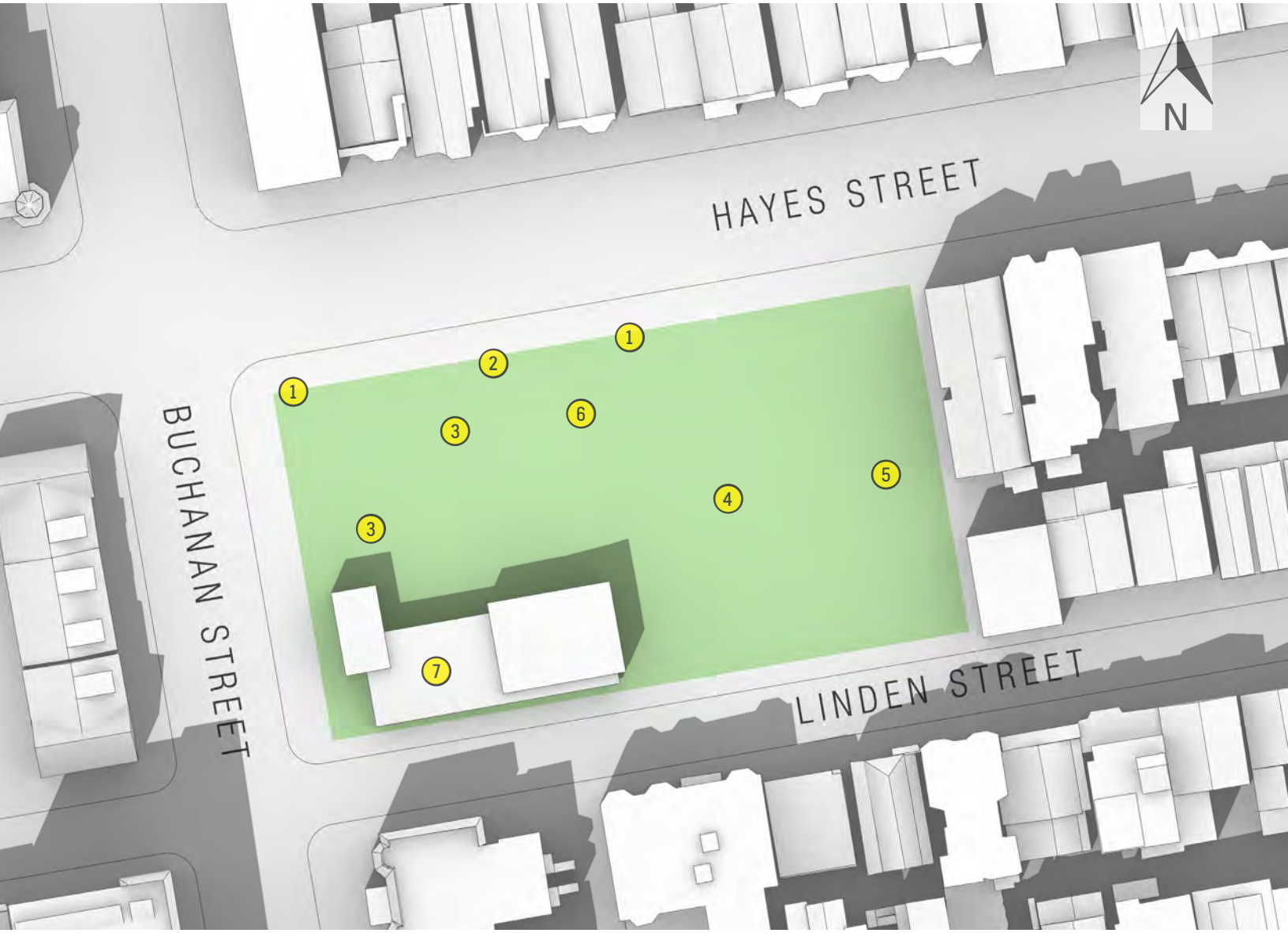
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.8

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.9

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

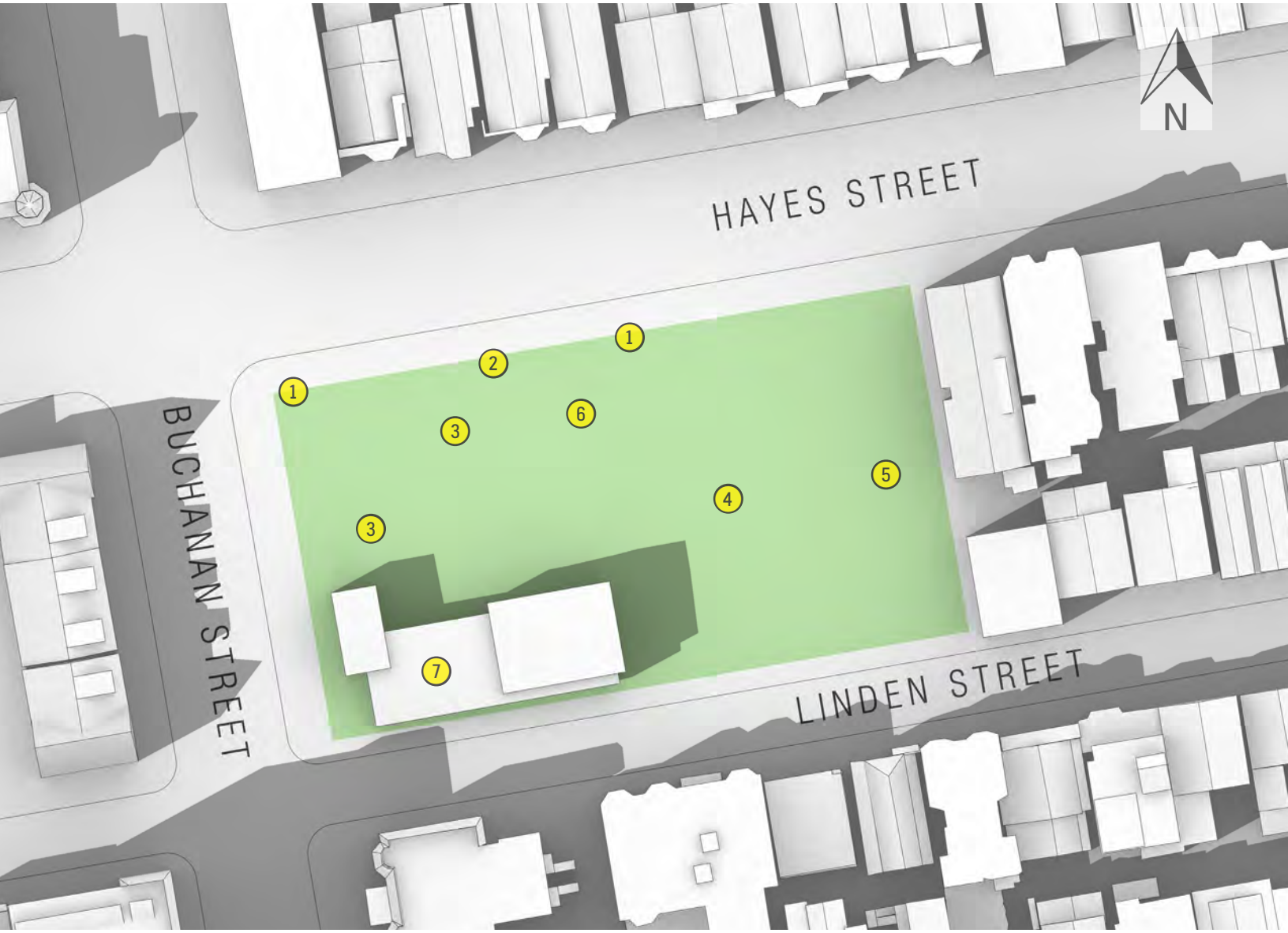
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.10

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

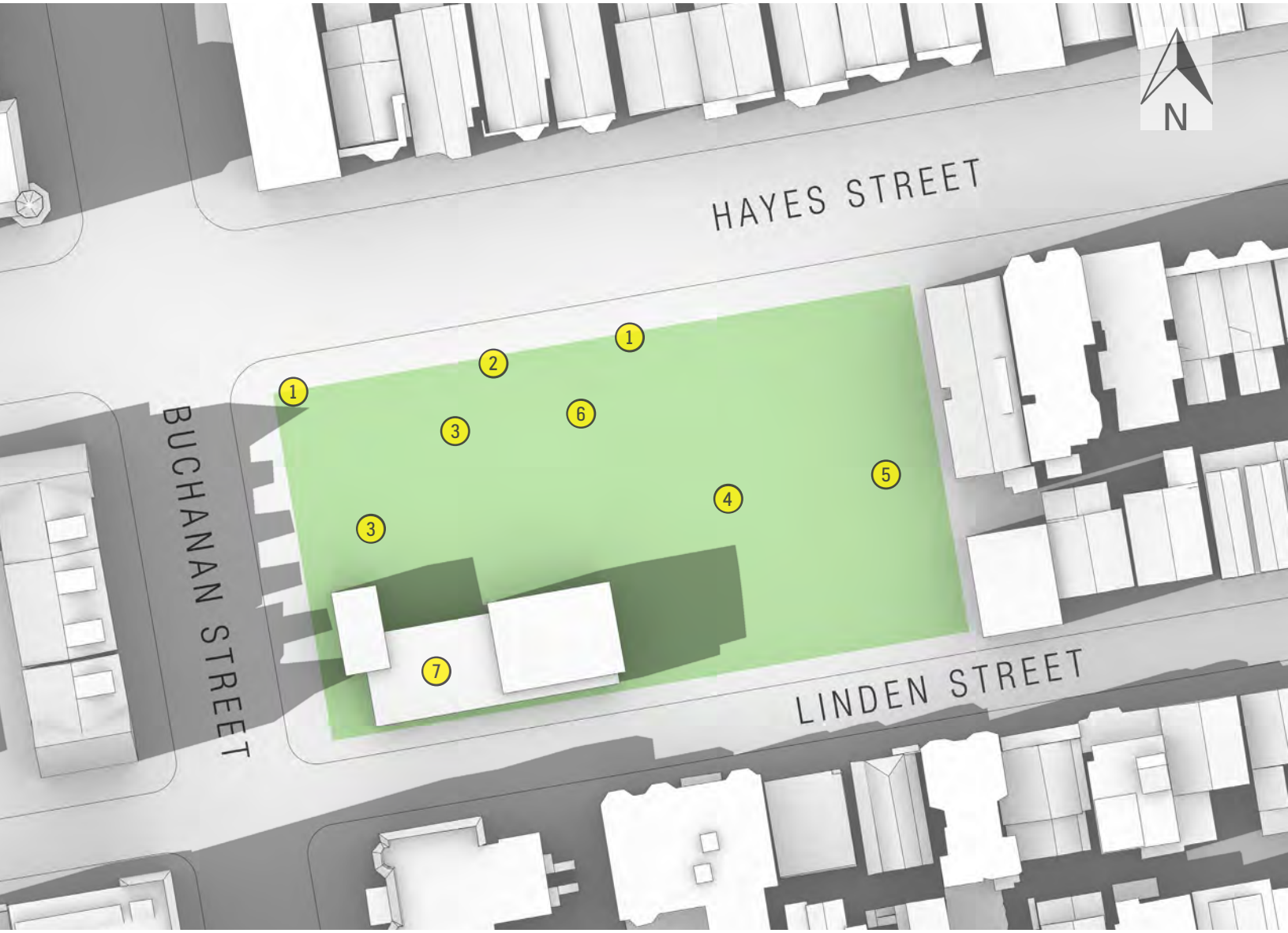
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.11

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

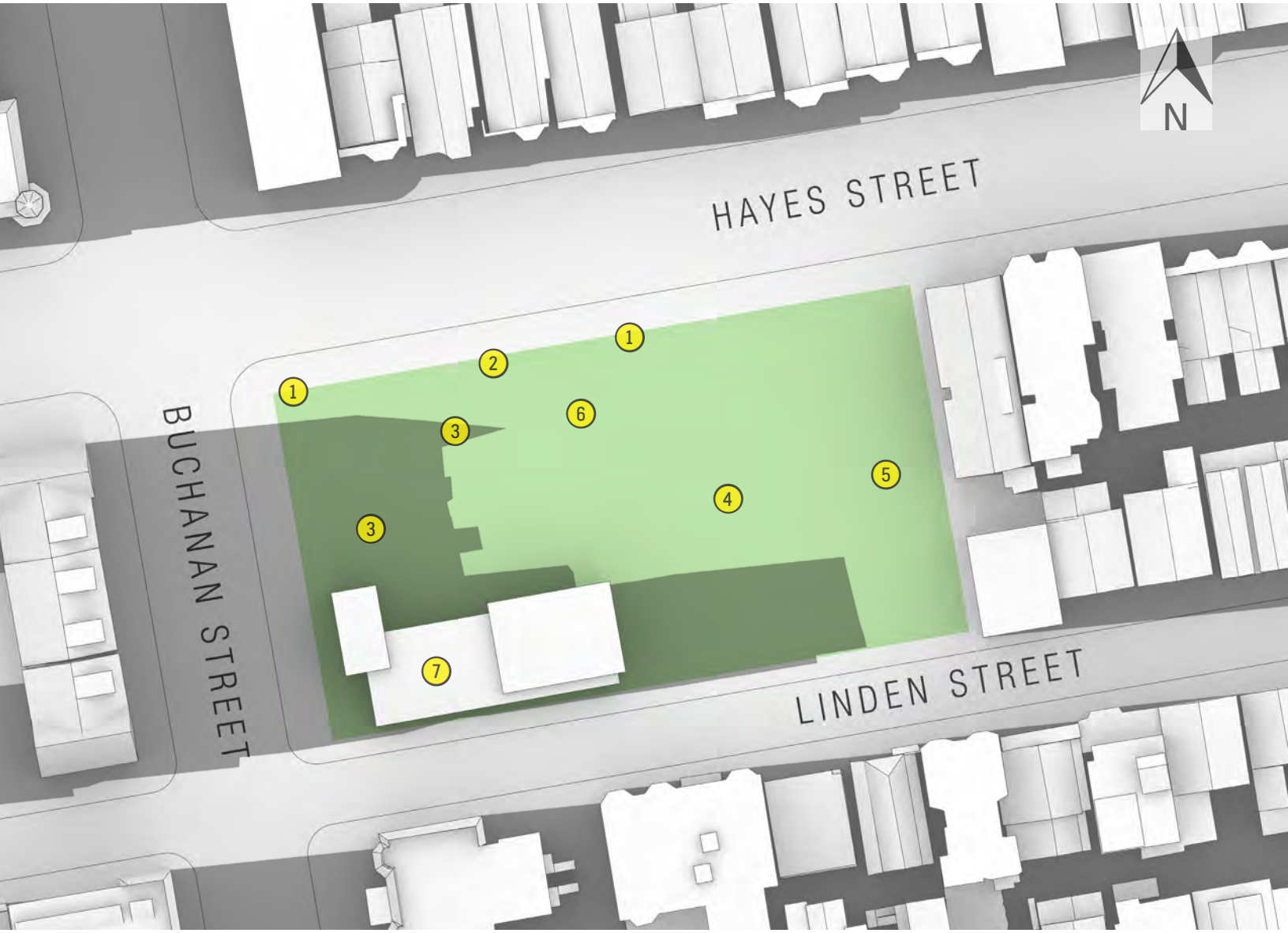
Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.12

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

6:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

E4V.13

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Hayes Valley Playground



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

6:31 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Landscape Areas
3. Children's Play Areas
4. Tennis Court
5. Basketball Court
6. Excercise Equipment
7. Clubhouse

EXHIBIT E5: KOSHLAND PARK GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E5H - Max Days for the Hub Plan: July 26 & May 17

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E5V - Max Day for 30 Van Ness Project: June 21

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E5H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

7:07 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

7:15 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

7:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

7:45 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

8:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.12

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.13

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.14

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.15

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

6:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5H.16

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Koshland Park



DATES OF MAXIMUM NET NEW SHADOW
JULY 26 & MAY 17

7:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.1

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

6:46 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.2

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

7:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.3

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

8:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.4

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.5

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.6

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.7

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.8

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

1:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.9

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.10

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.11

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

4:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.12

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

5:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.13

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

6:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.14

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

7:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

E5V.15

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Koshland Park



SUMMER SOLSTICE
JUNE 21

7:36 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Public Entry
2. Grassy/Landscape Areas
3. Community Garden
4. Children's Play Area
5. Basketball / Hardcourt

EXHIBIT E6: PAGE & LAGUNA MINI PARK GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E6H - Max Days for the Hub Plan: June 28 & June 14

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

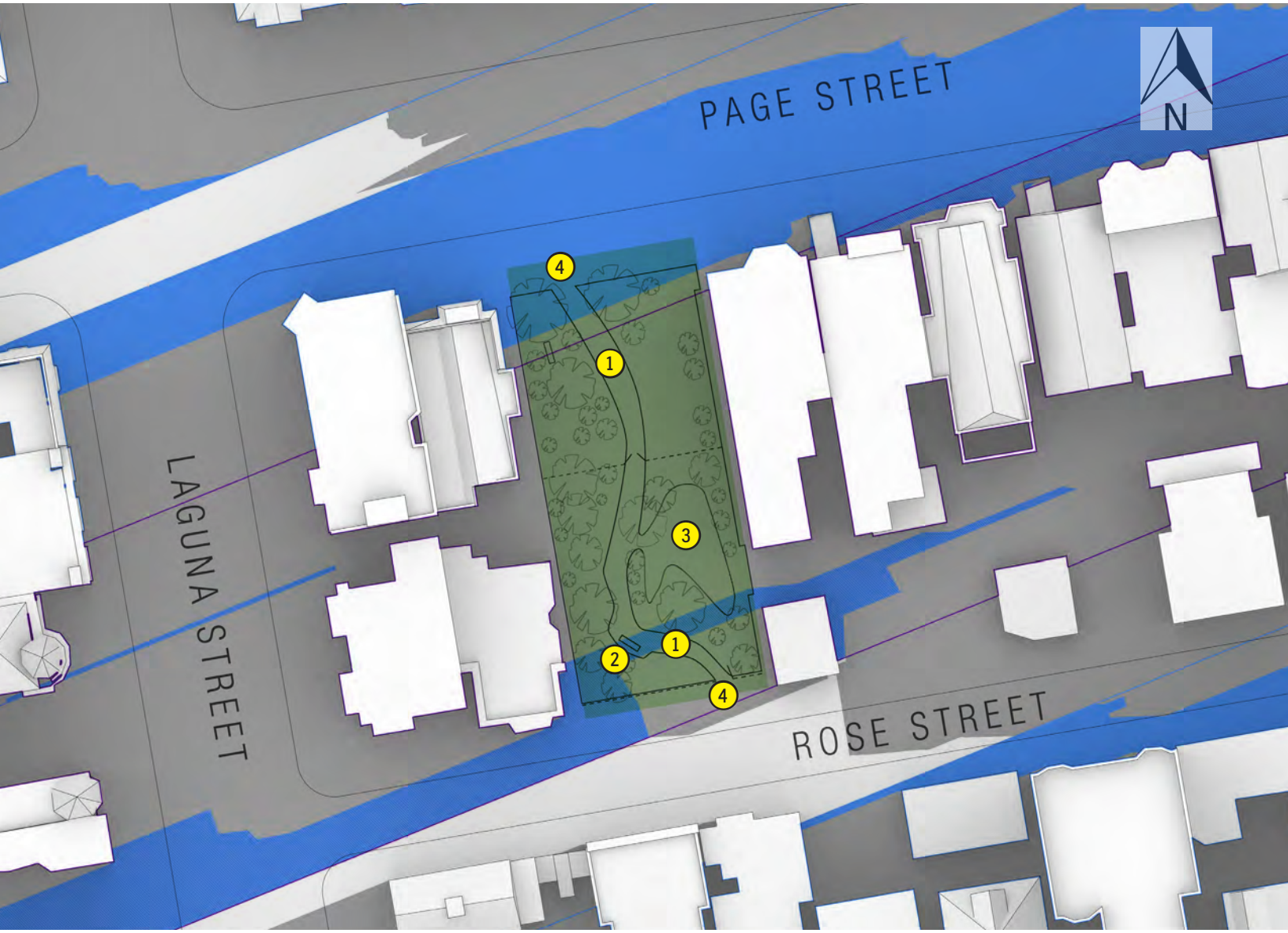
E6F - Max Days for 98 Franklin Project: July 5 & June 7

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E6H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

6:48 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

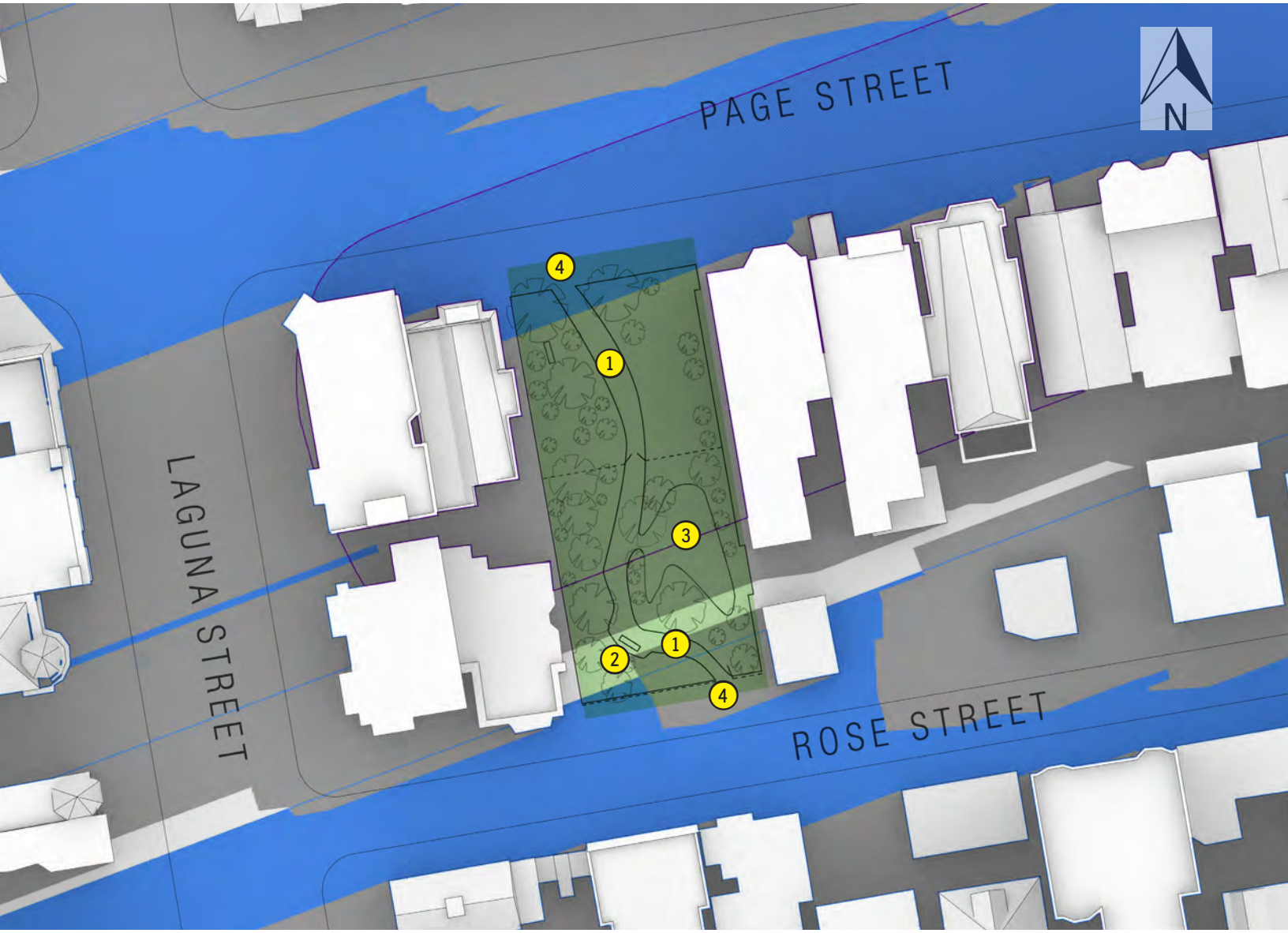
Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

7:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

7:15 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

7:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

7:45 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

8:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

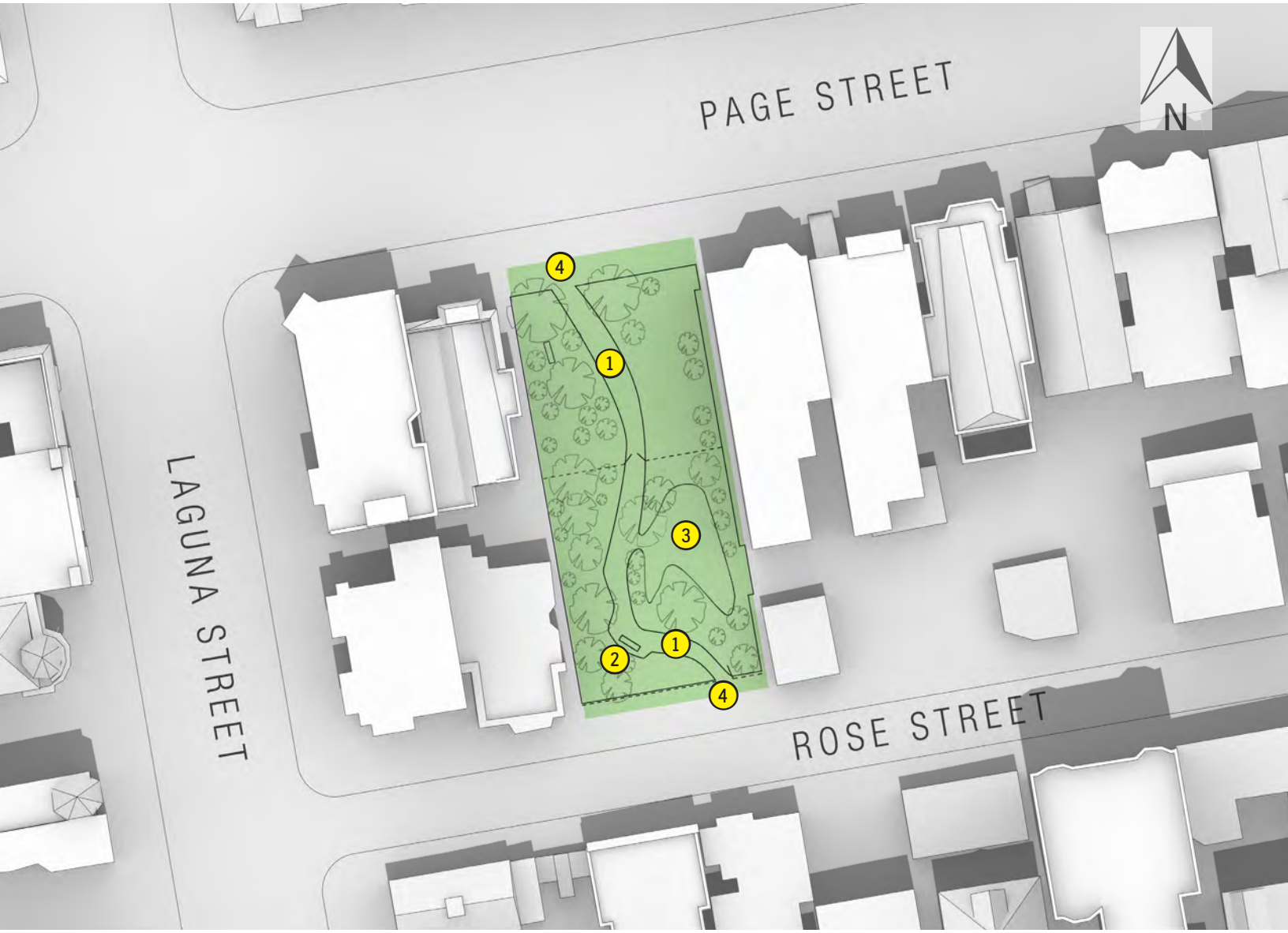
Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.12

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.13

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.14

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.15

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.16

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

6:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.17

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

7:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6H.18

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Page & Laguna Mini Park



DATES OF MAXIMUM NET NEW SHADOW
JUNE 28 & JUNE 14

7:36 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

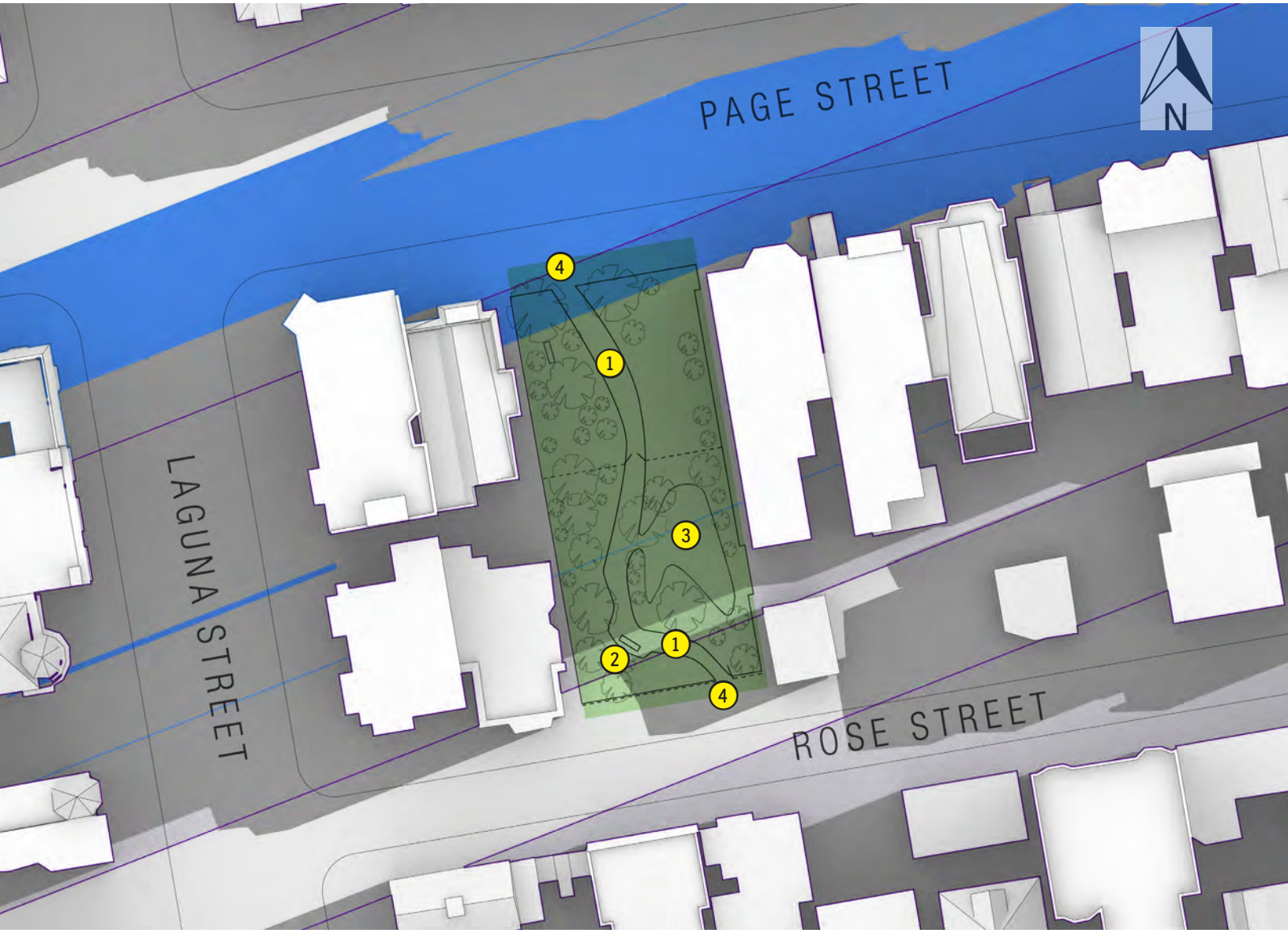
Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.1

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

6:52 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

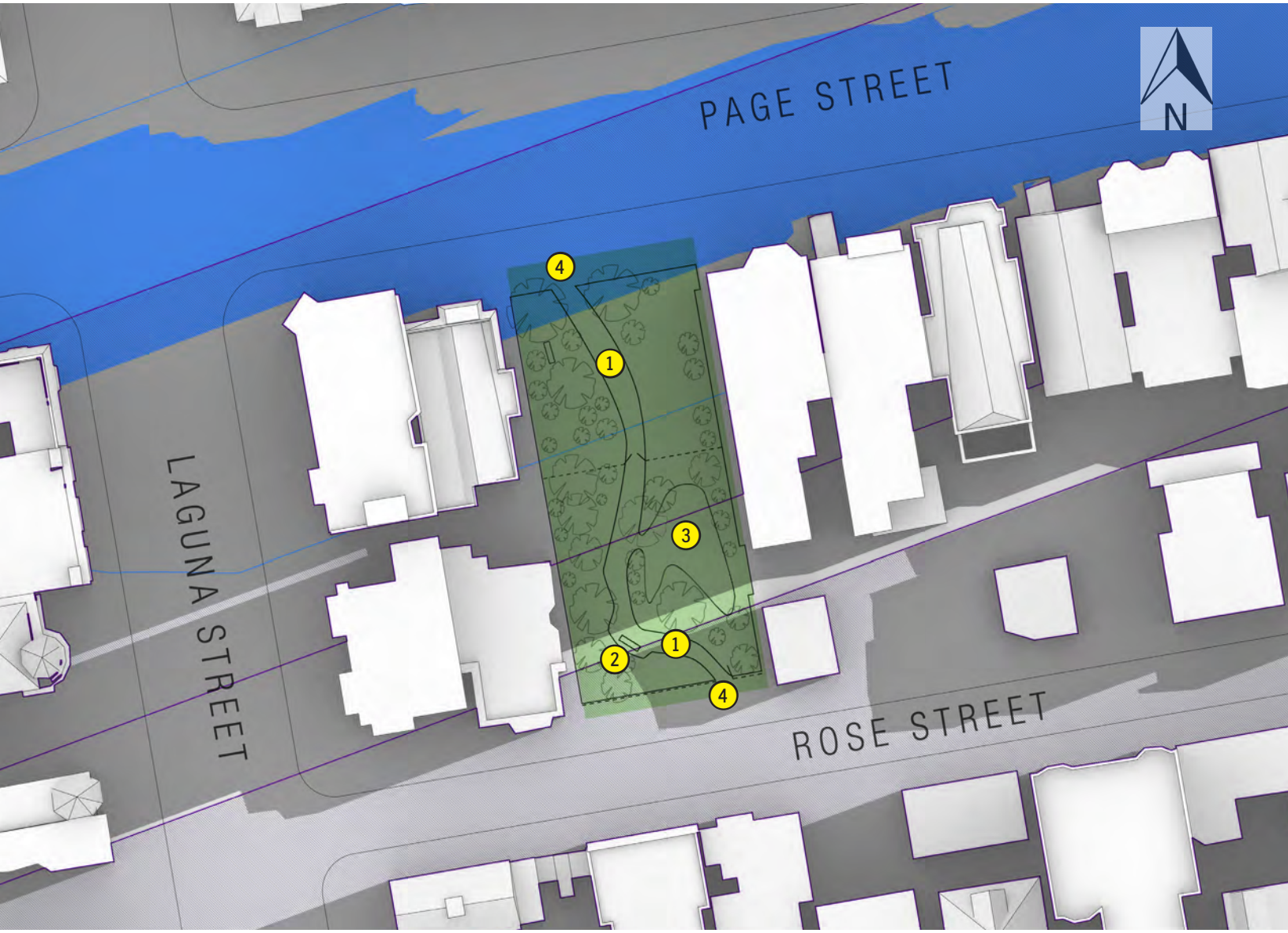
Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.2

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

7:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.3

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

7:15 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.4

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

8:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.5

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.6

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.7

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

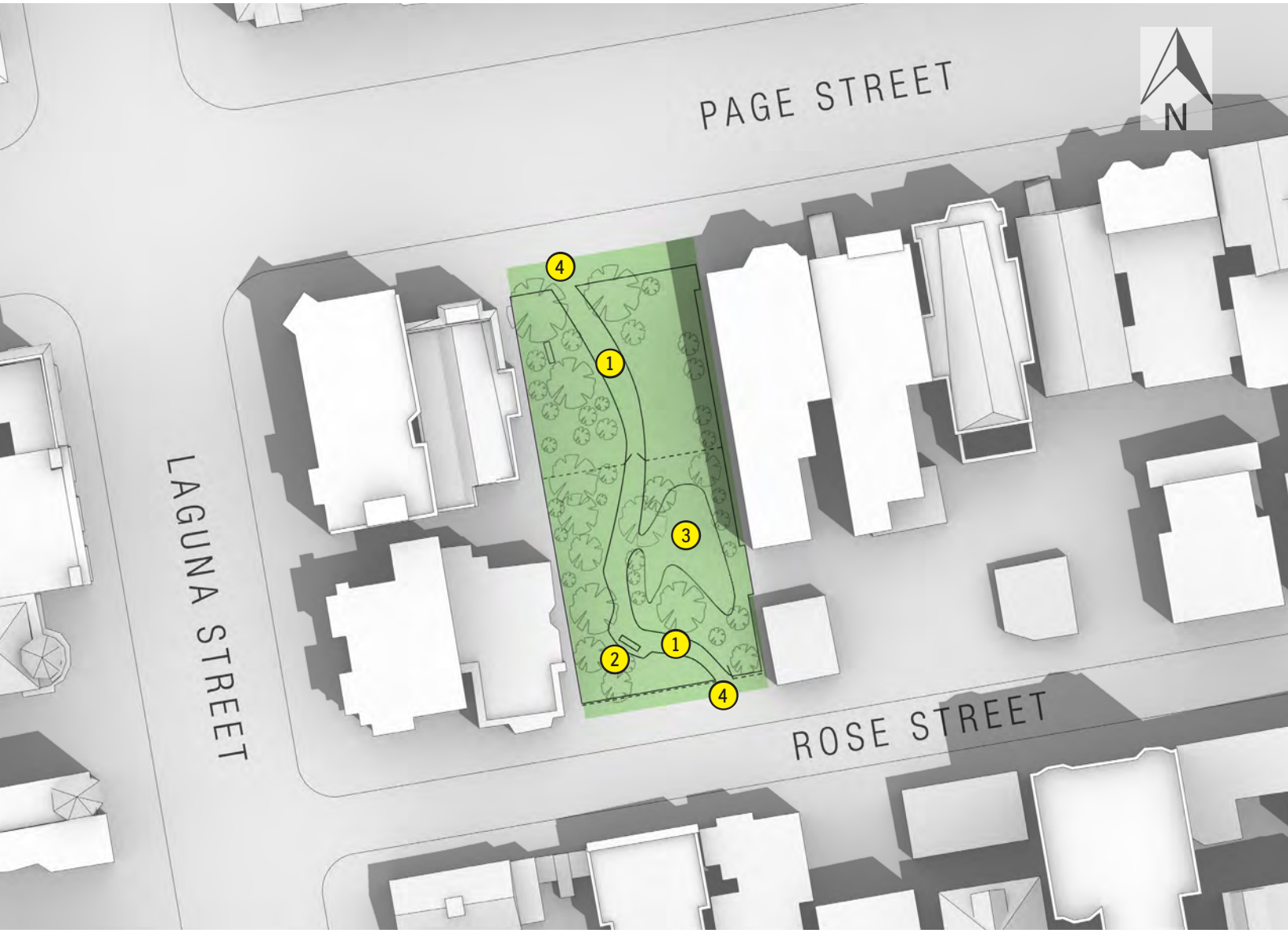
Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.8

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

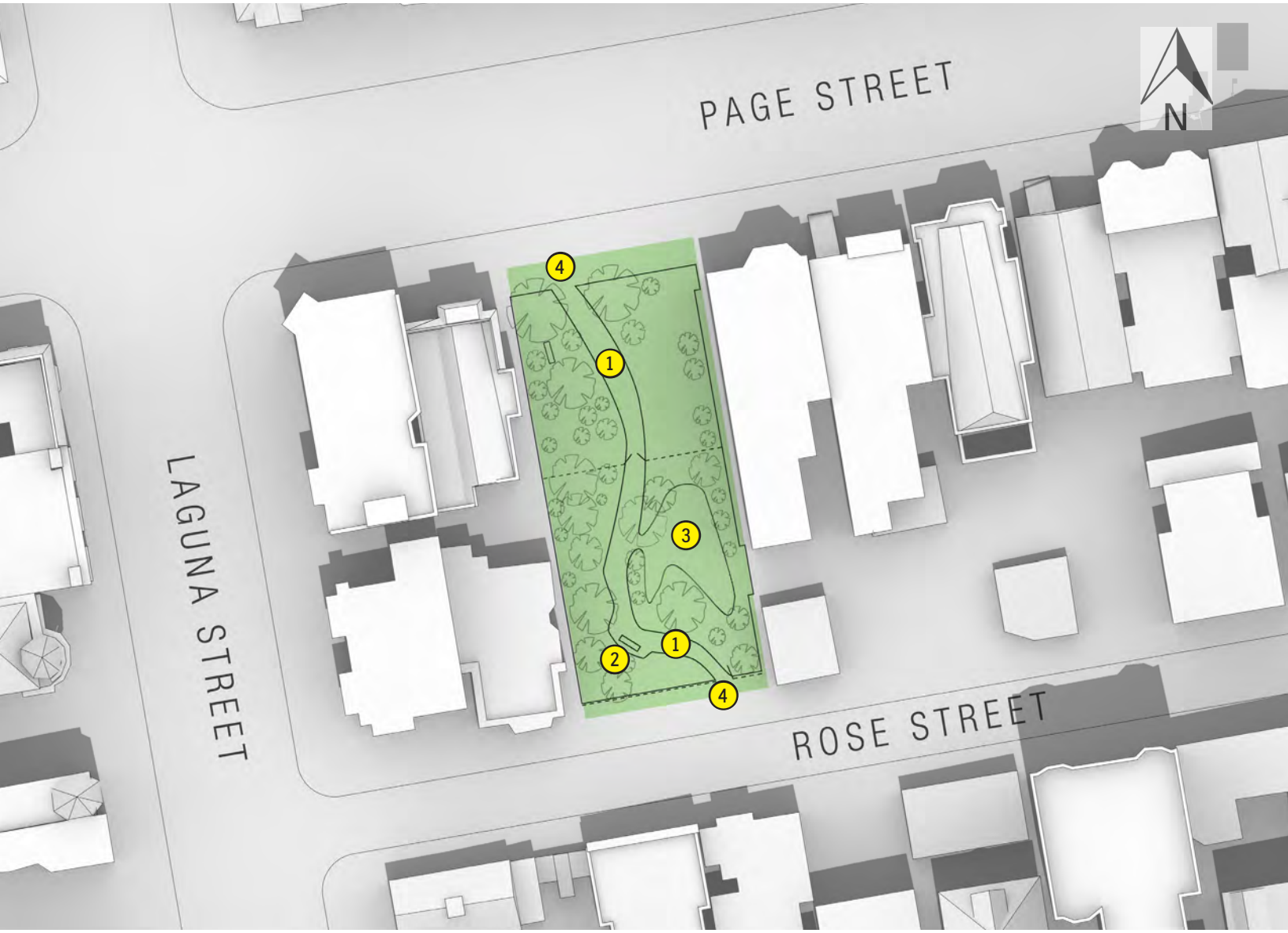
Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.9

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.10

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.11

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.12

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.13

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.14

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

6:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.15

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

7:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

E6F.16

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Page & Laguna Mini Park



DATE OF MAXIMUM NET NEW SHADOW
JUNE 7 & JULY 5

7:36 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Pathway
2. Bench
3. Community Garden
4. Park Entrance

EXHIBIT E7: PATRICIA'S GREEN GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E7H - Max Days for the Hub Plan: October 4 & March 8

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E7V - Max Days for 30 Van Ness Project: September 6 & April 5

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

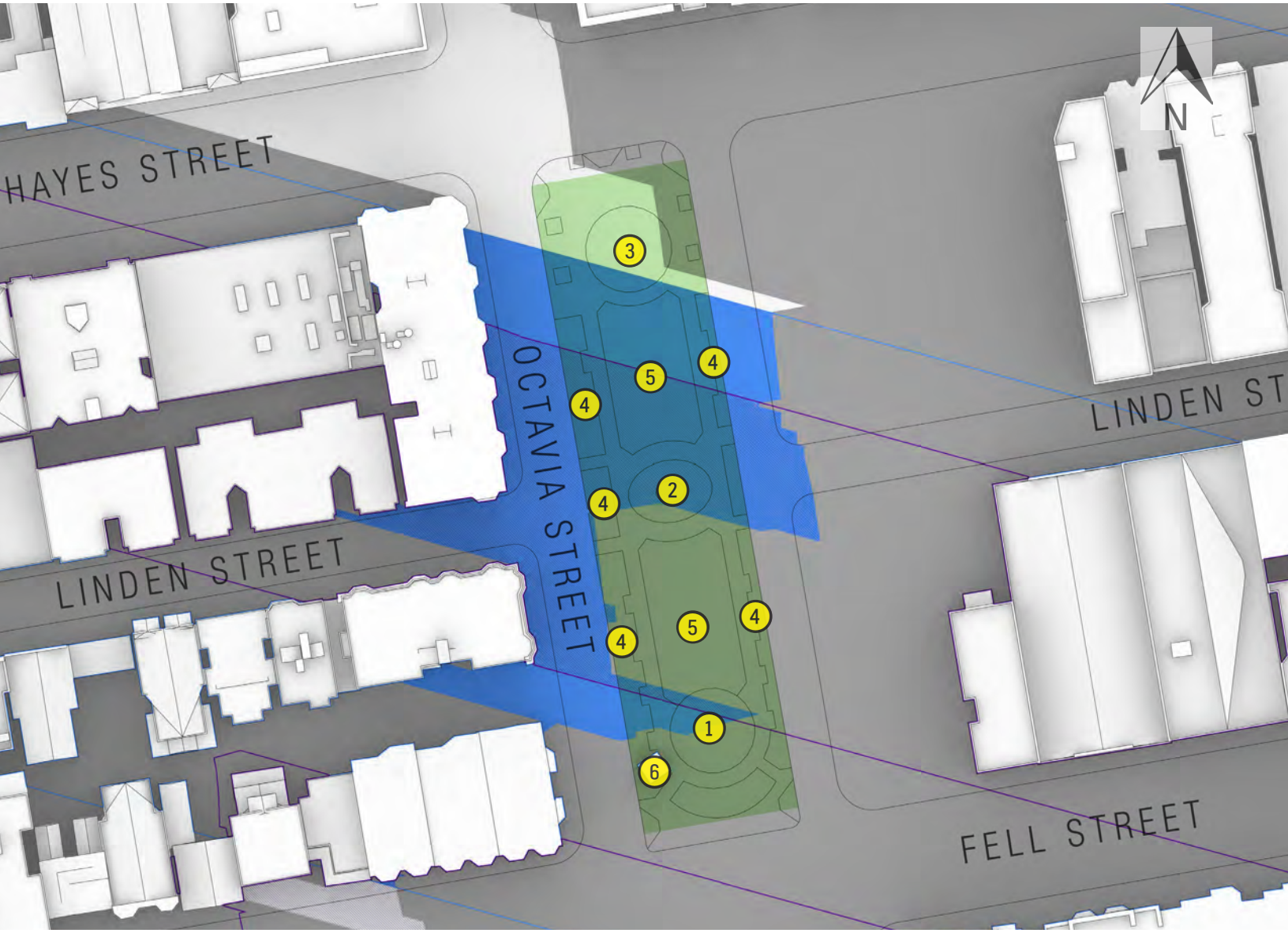
E7F - Max Days for 98 Franklin Project: October 11 & March 1

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E7H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:09 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

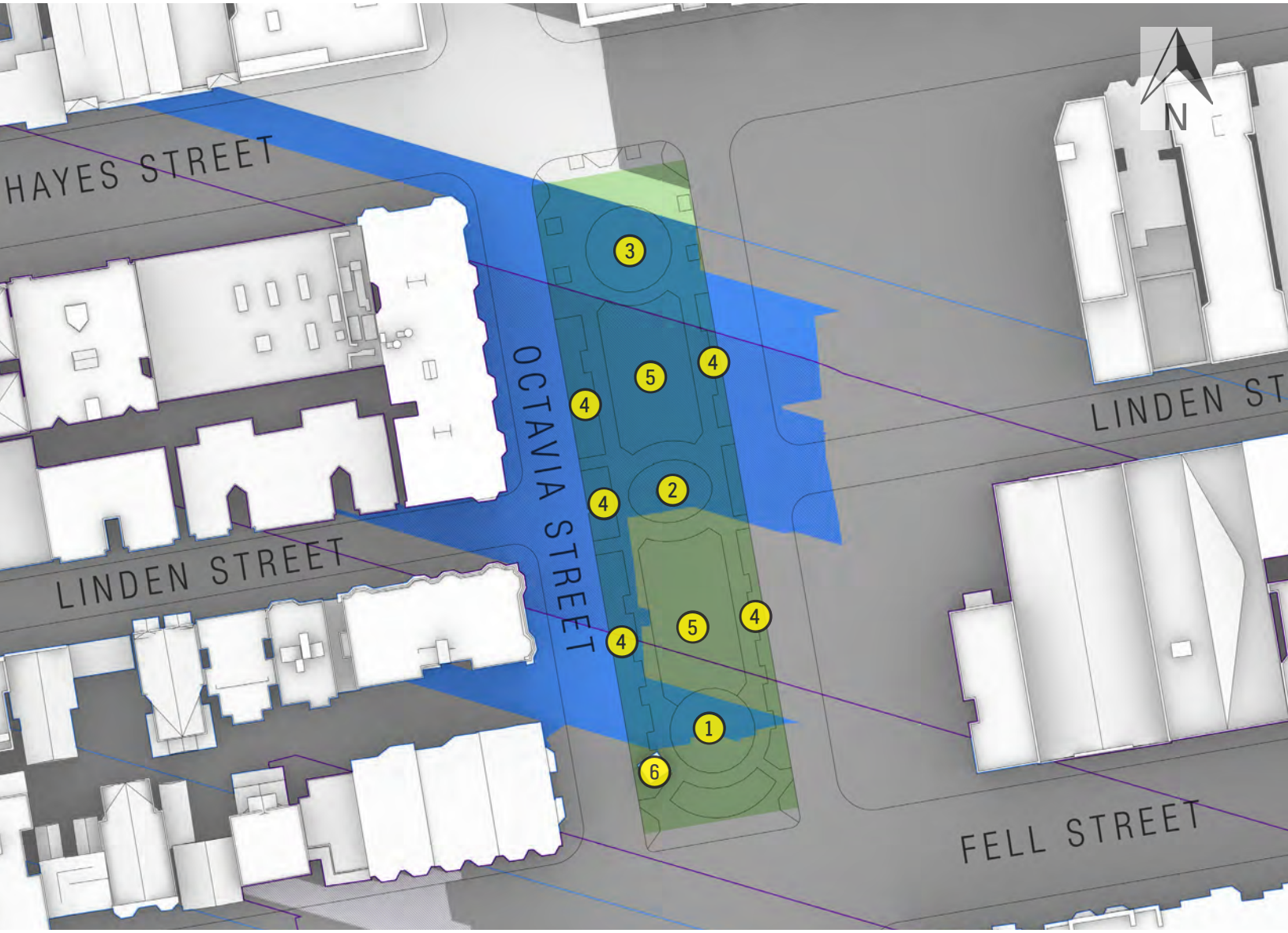
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:15 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

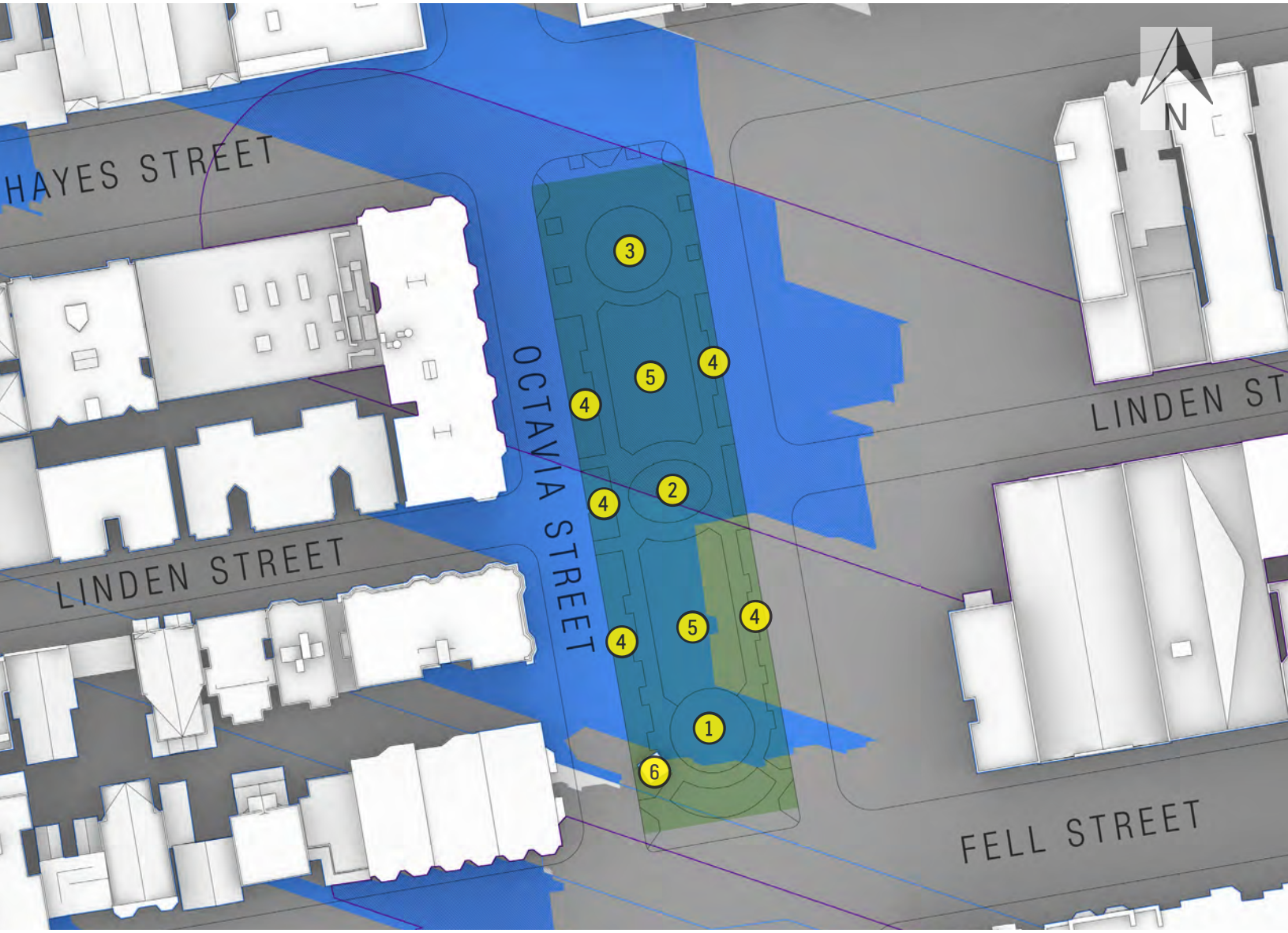
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

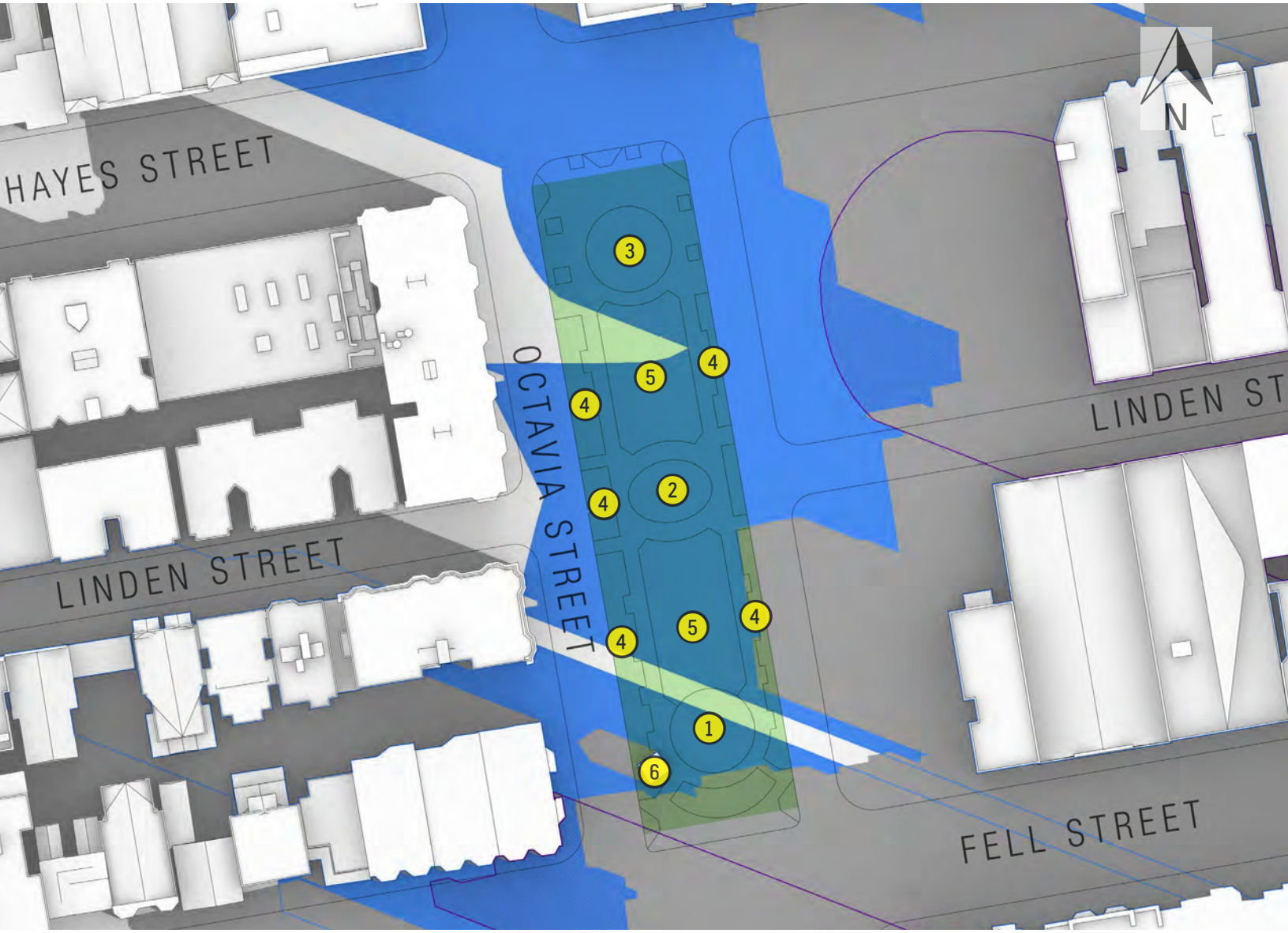
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:45 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

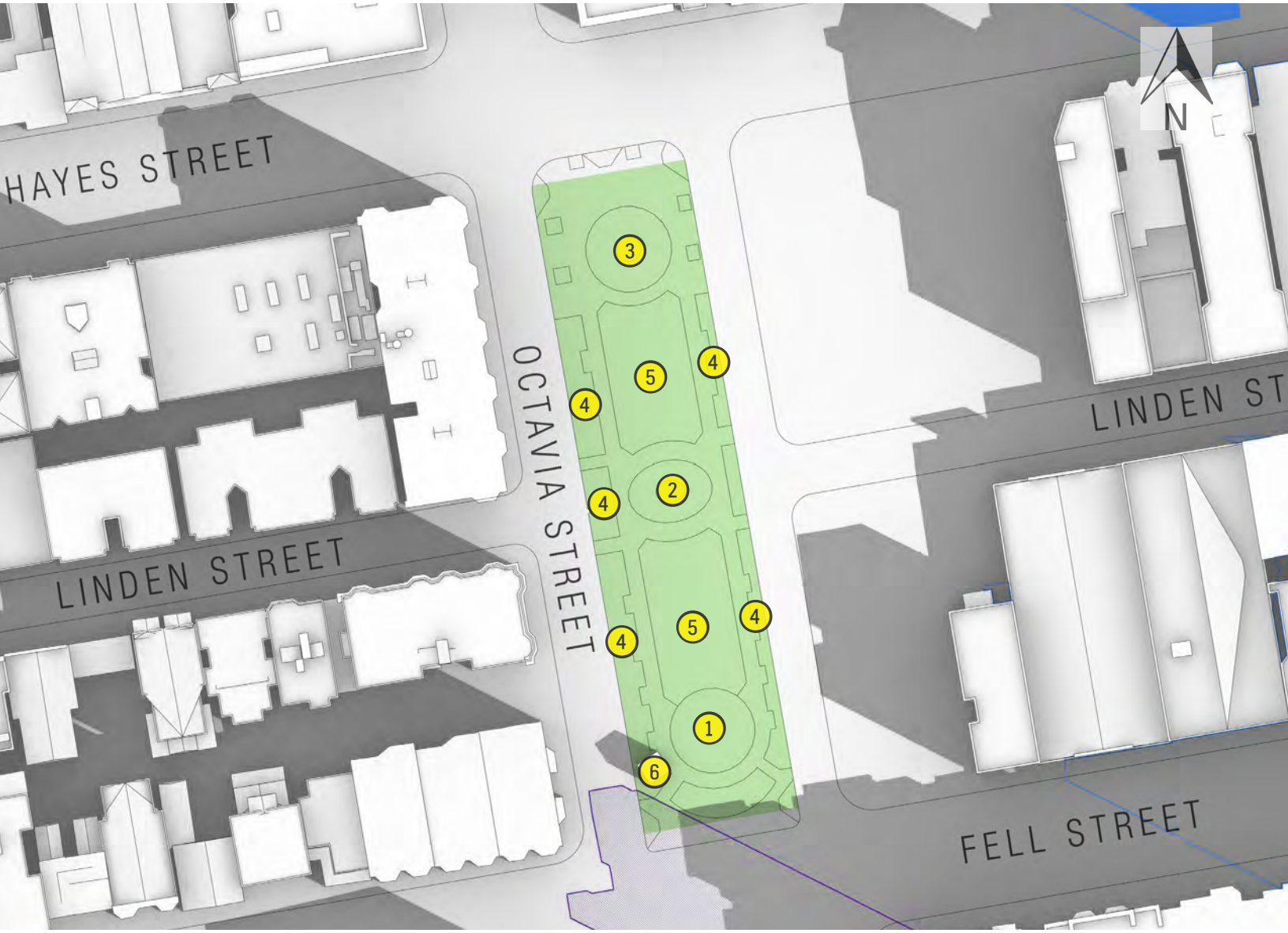
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

9:15 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.12

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.13

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.14

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

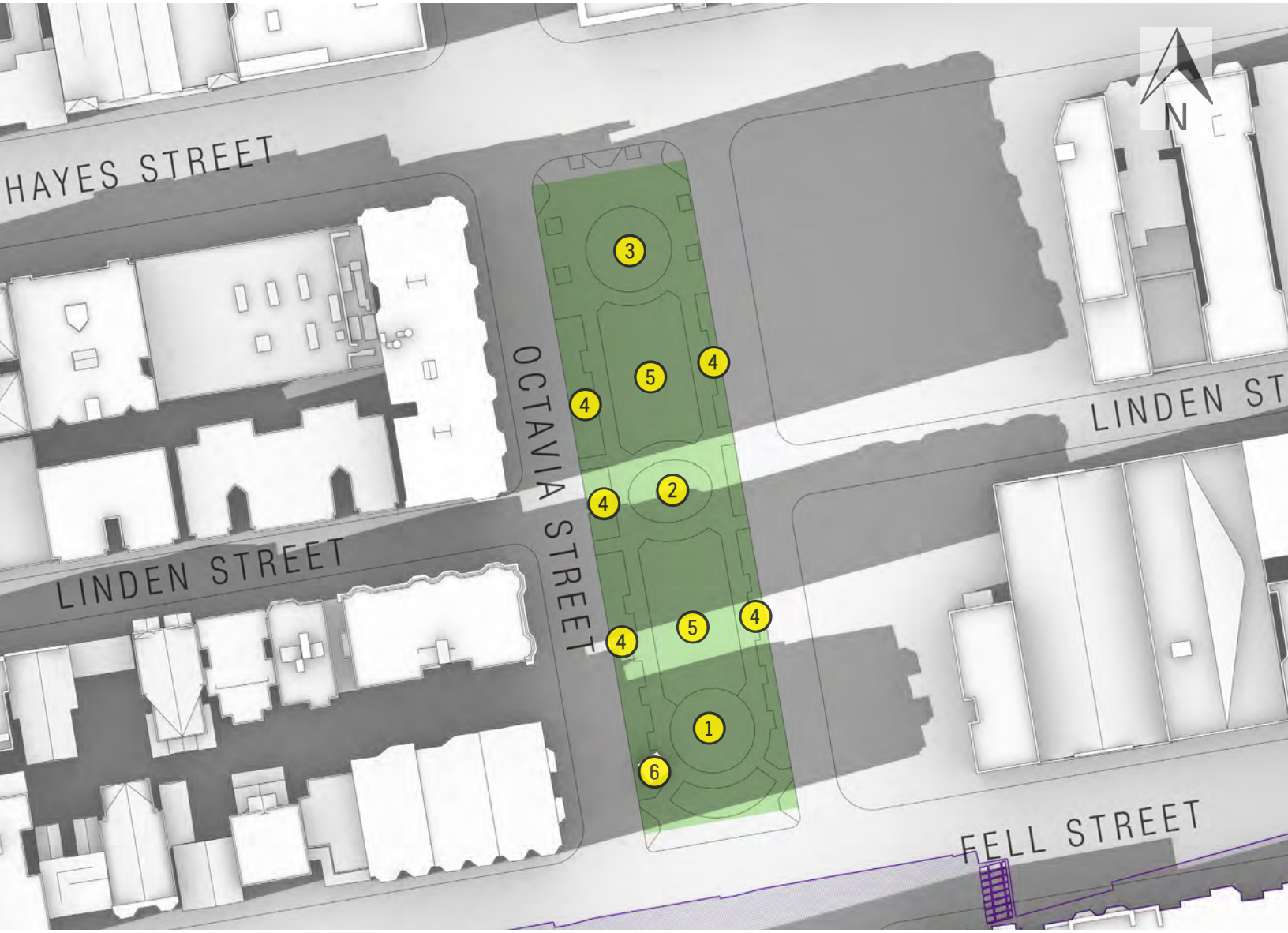
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7H.15

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

5:47 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.1

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

7:44 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

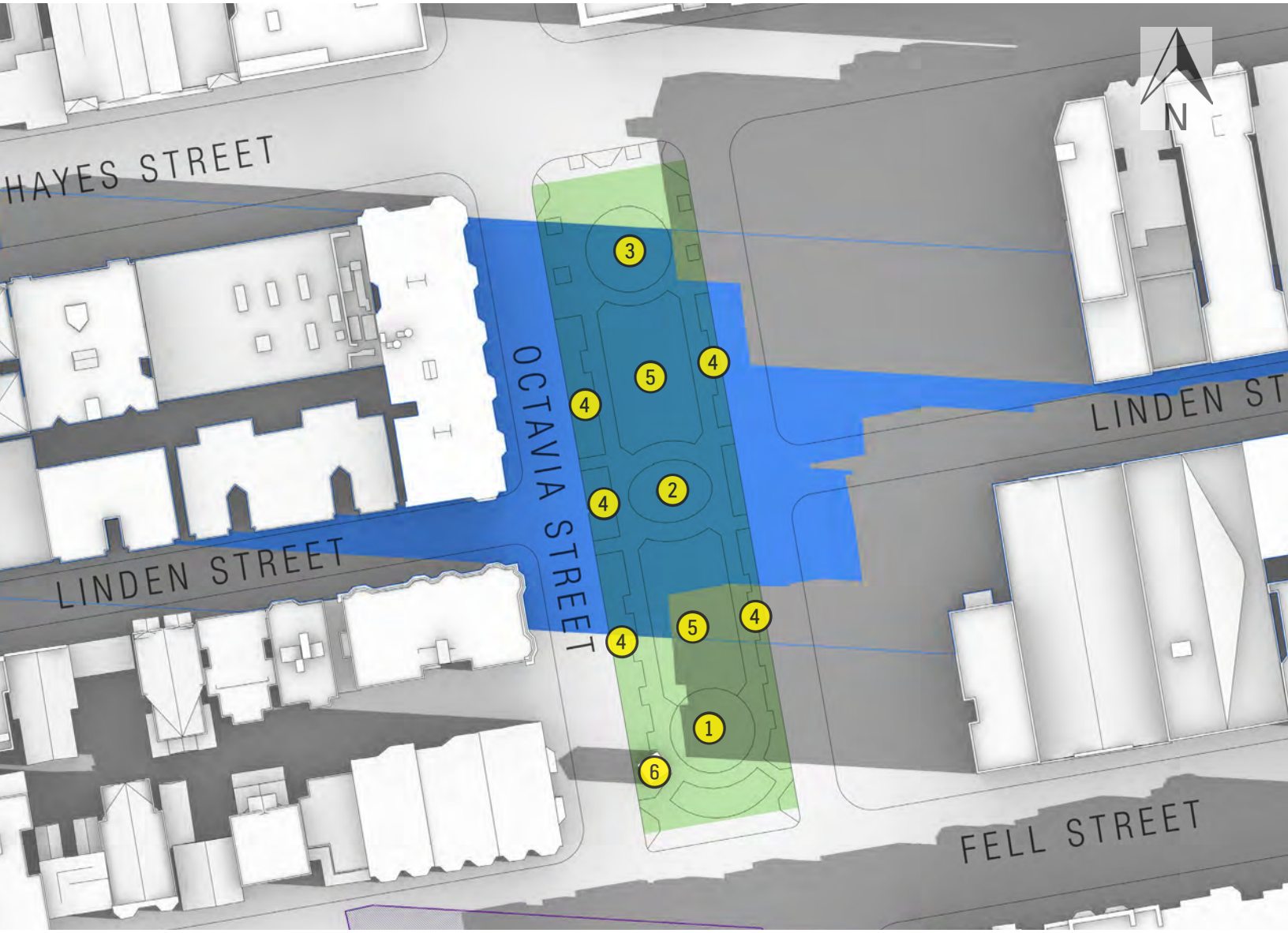
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.2

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

8:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

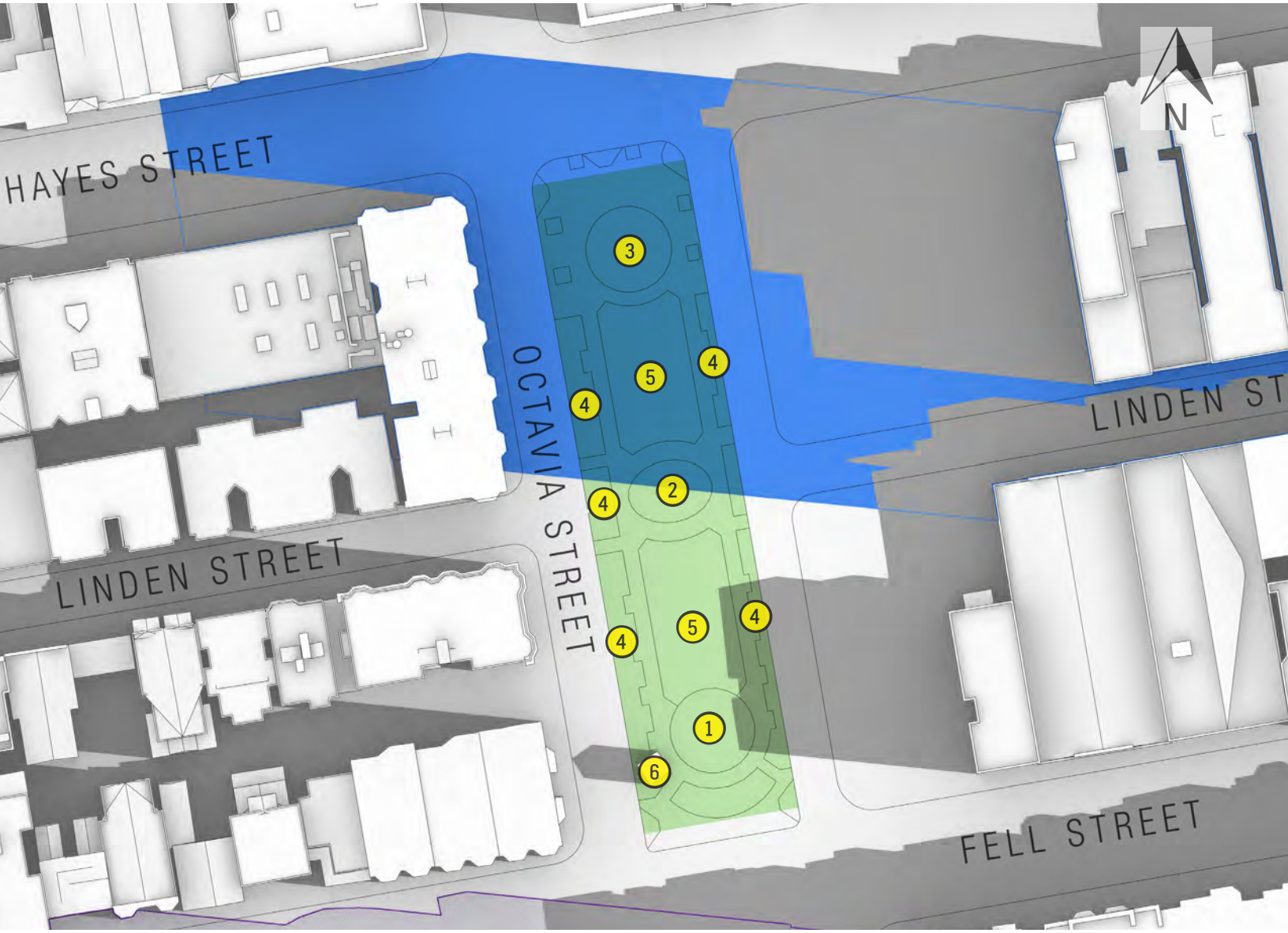
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.3

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

8:15 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

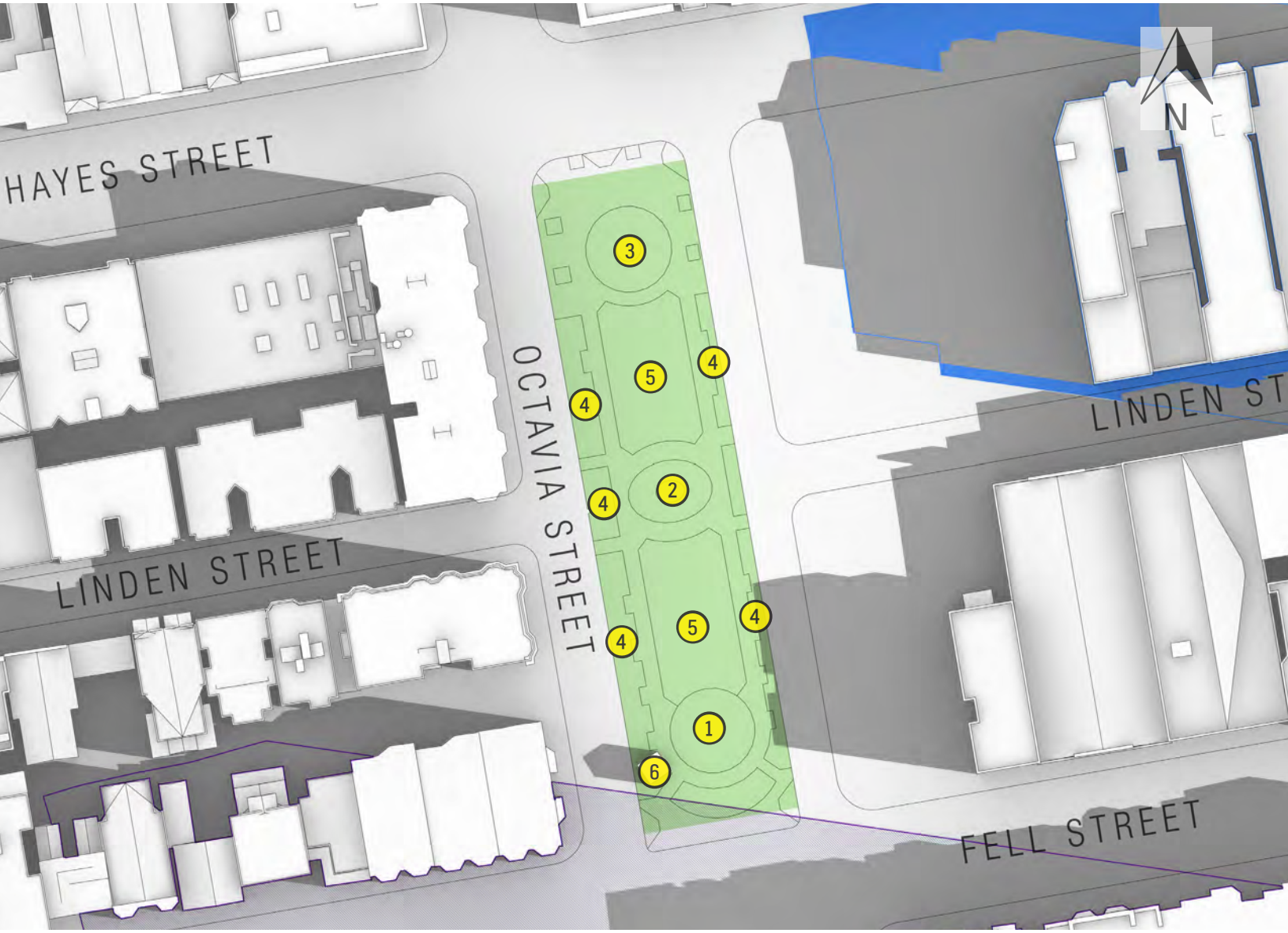
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.4

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

8:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

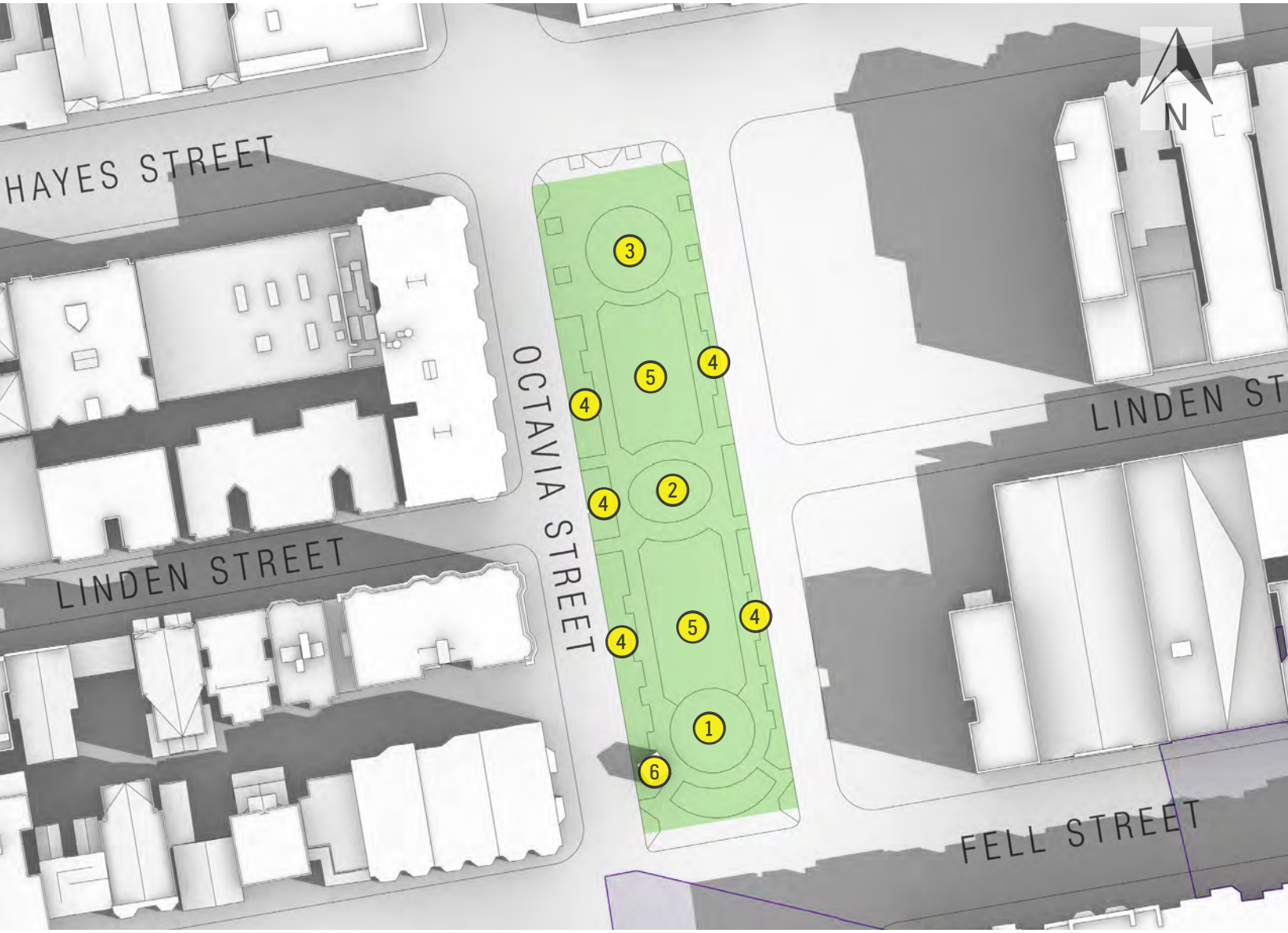
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.5

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.6

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.7

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.8

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.9

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.10

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.11

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.12

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.13

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.14

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

6:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7V.15

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 6 & APRIL 5

6:31 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Aveune
- New Shadow from Cumulative Projects

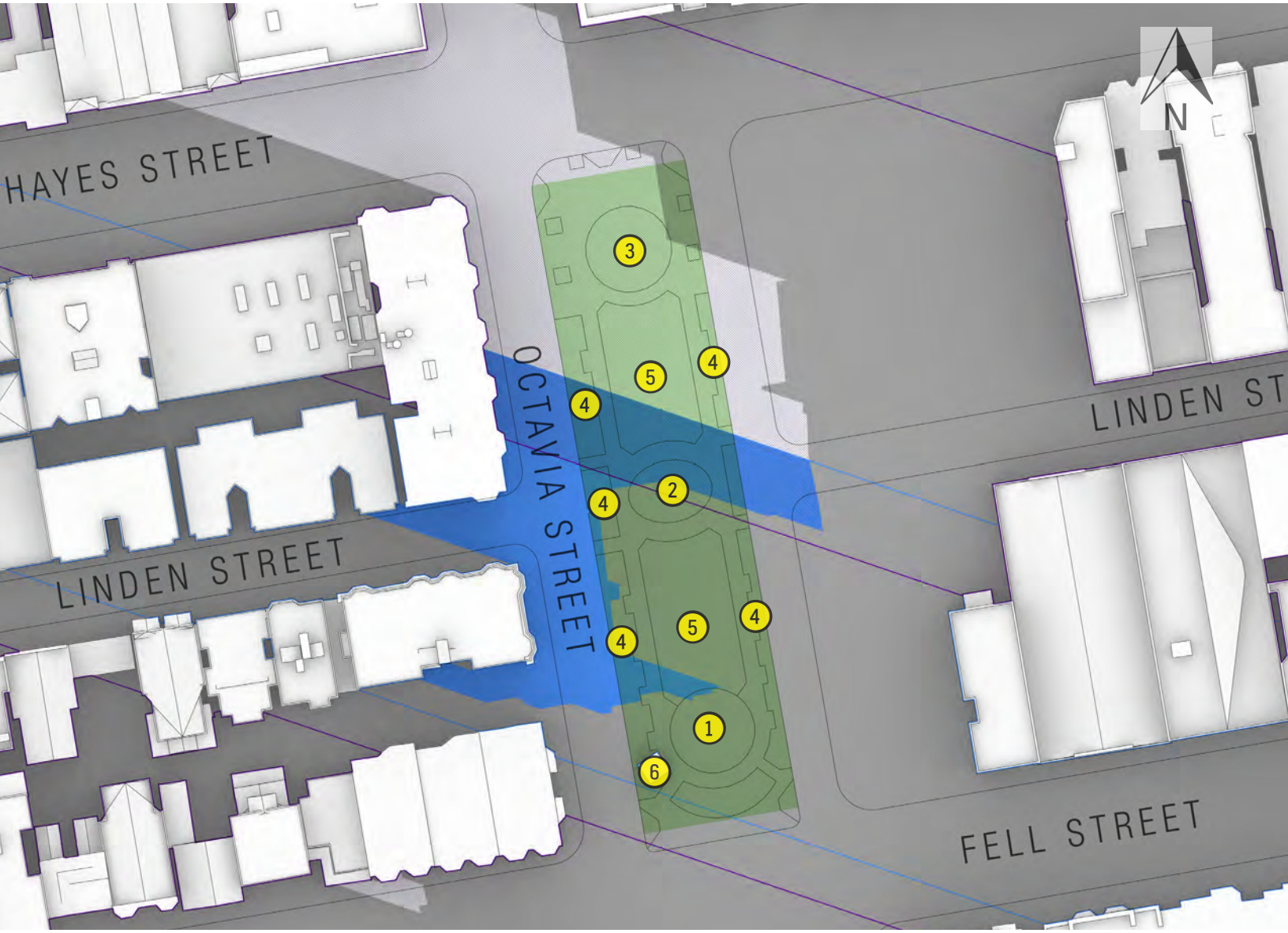
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.1

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

8:16 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

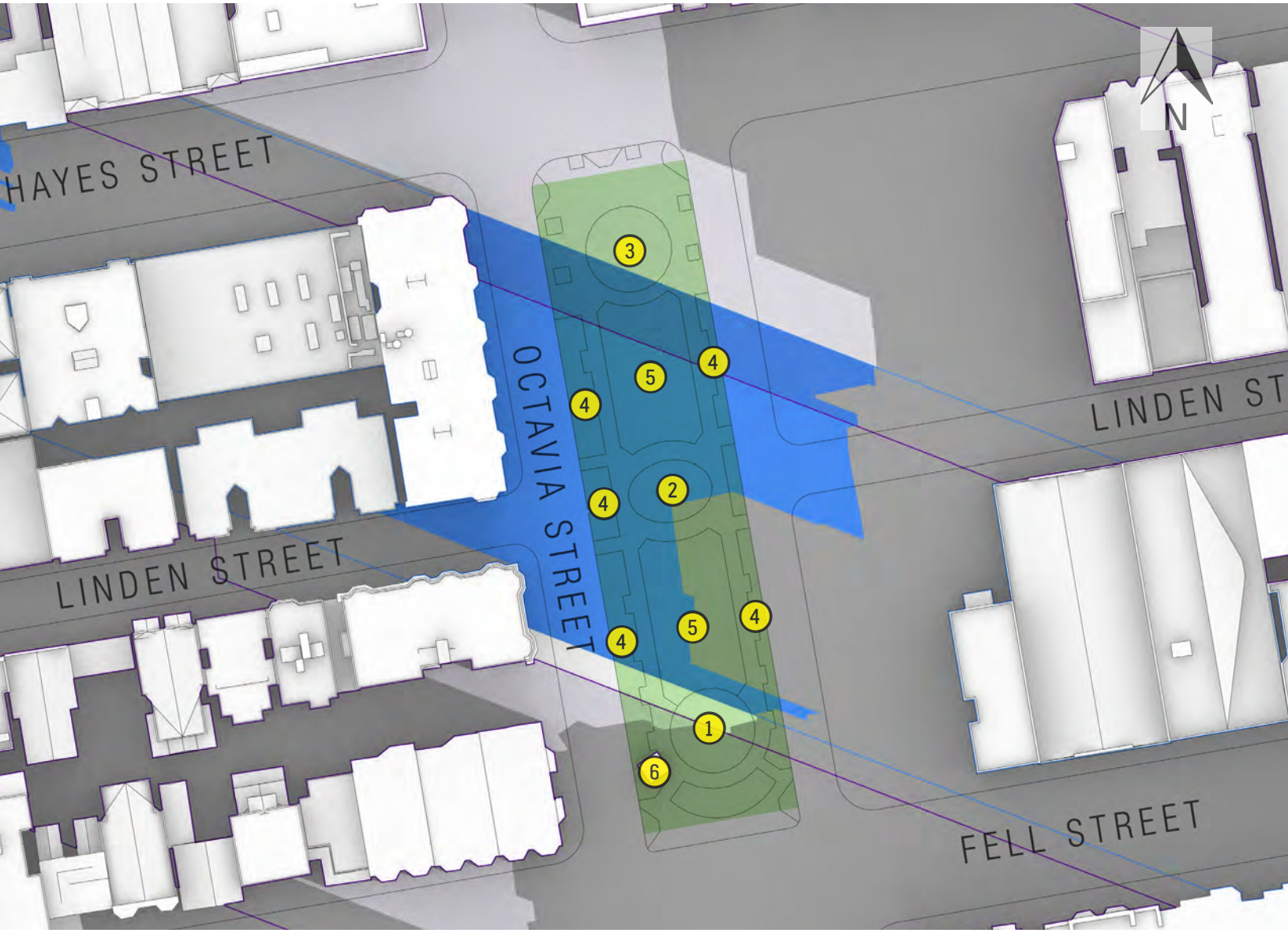
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.2

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

8:30 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

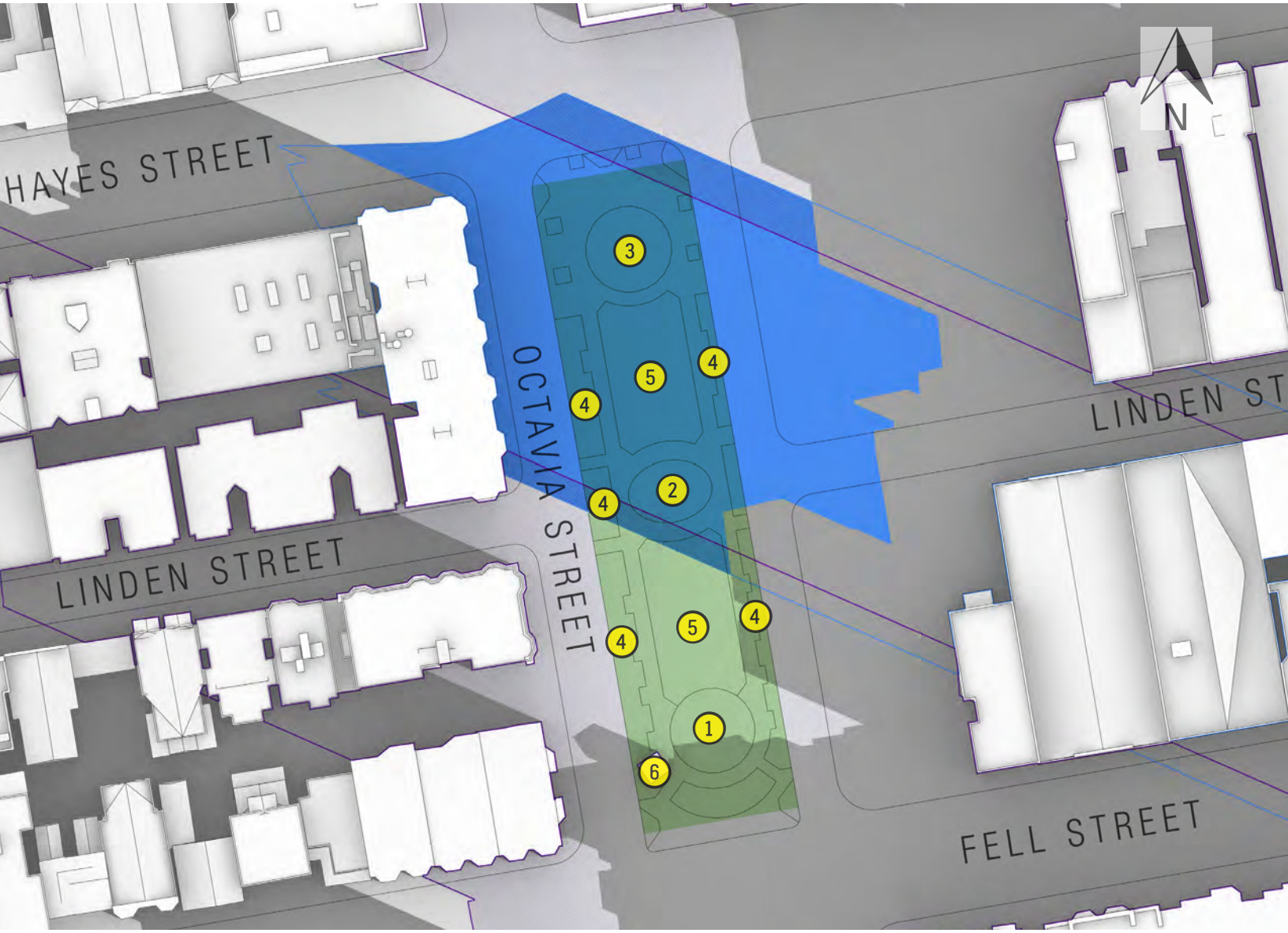
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.3

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

8:45 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.4

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.5

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.6

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.7

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.8

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.9

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.10

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.11

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

4:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 98 Franklin Street
New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.12

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

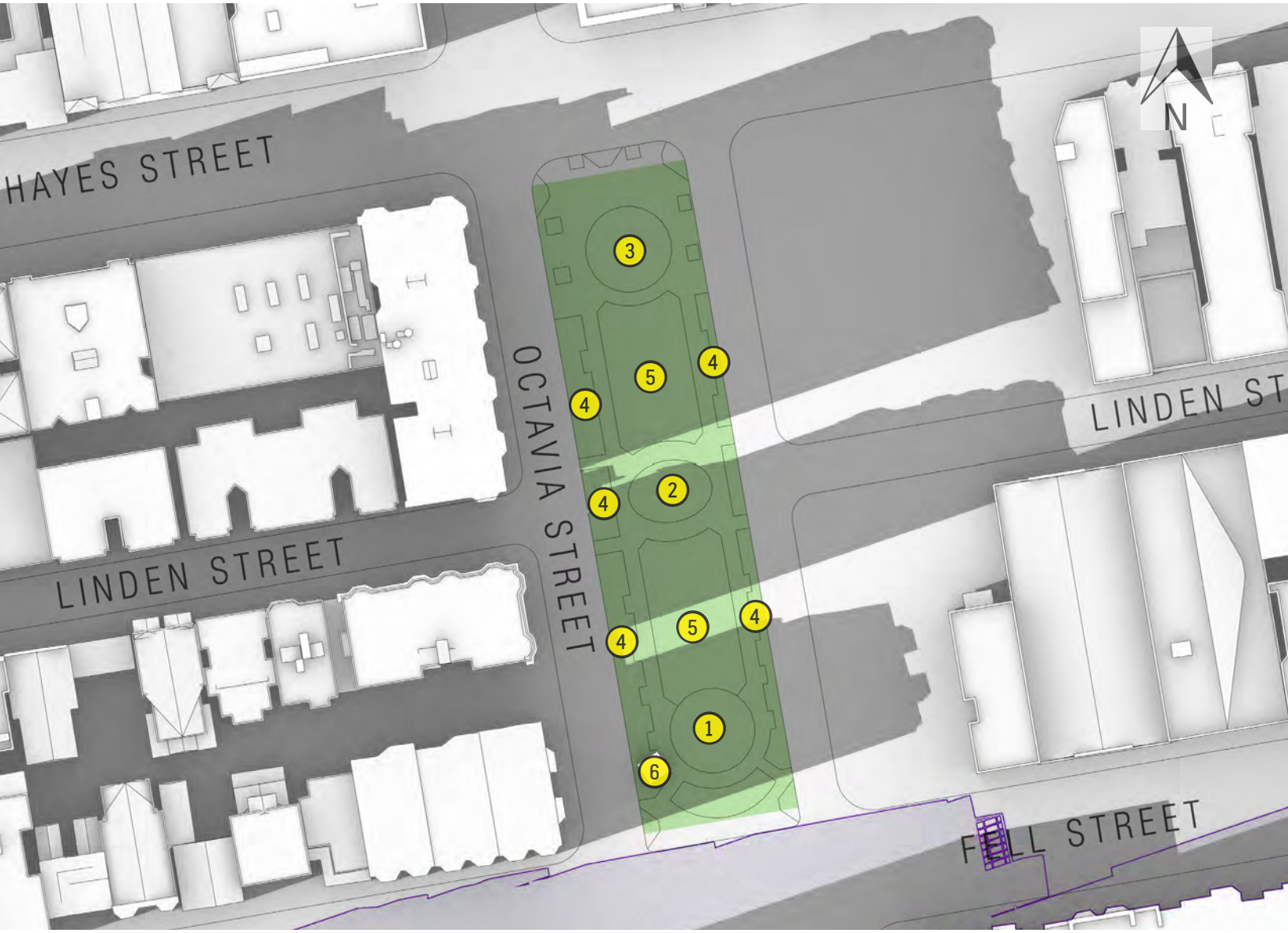
Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

E7F.13

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Patricias Green



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

5:37 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

Open Space Features

1. Children's Play Area
2. Center Plaza/Art Area
3. Picnic Area
4. Planting/Benches
5. Lawn
6. Service Building

EXHIBIT E8: CIVIC CENTER PLAZA GRAPHICS ON DAY OF MAXIMUM NET NEW SHADOW

E8H - Max Day for the Hub Plan: December 20

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E8V - Max Day for 30 Van Ness Project: December 20

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E8H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

8:19 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

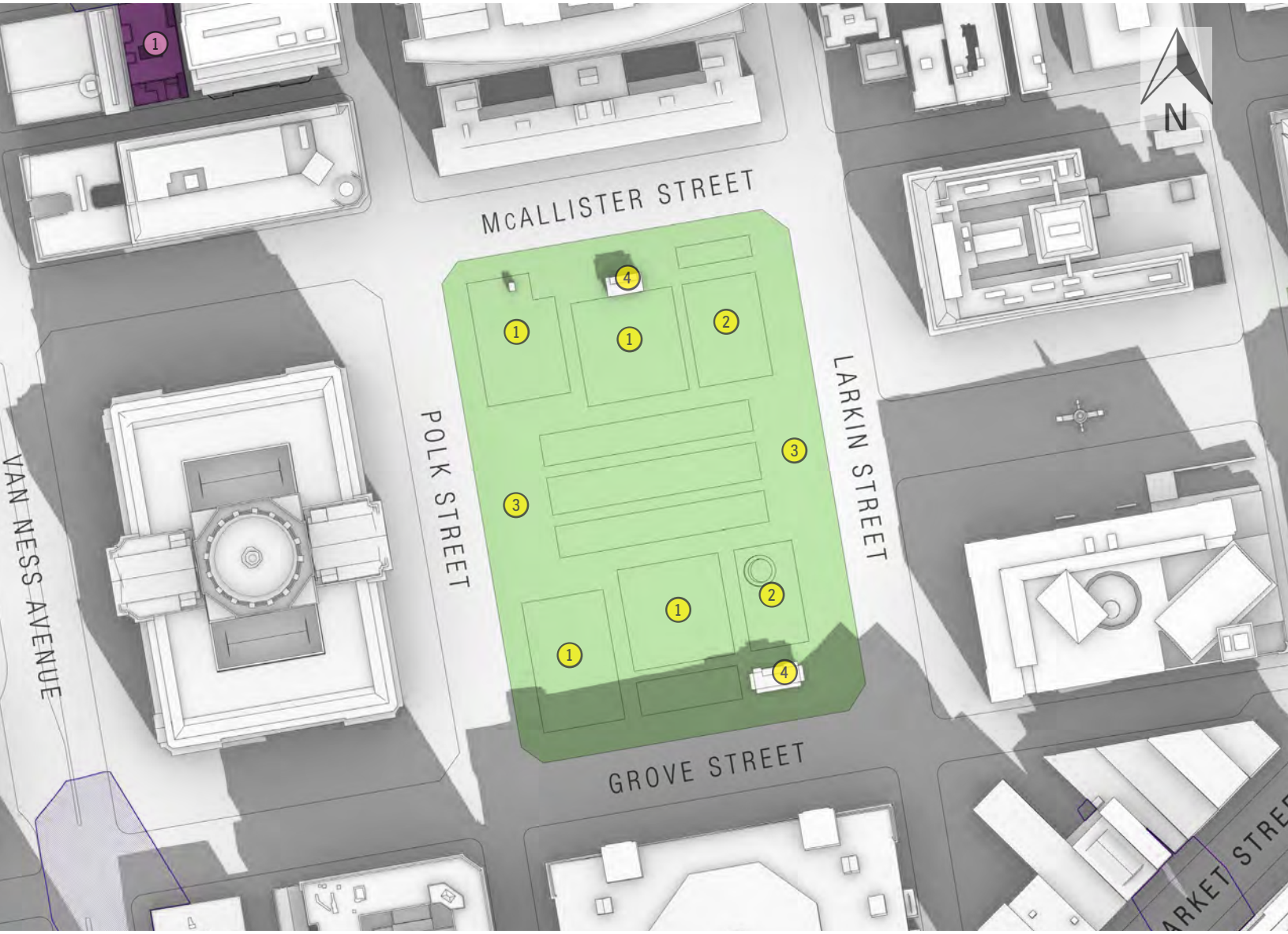
Cumulative Projects

1. 555 Golden Gate Avenue

E8H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.12

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

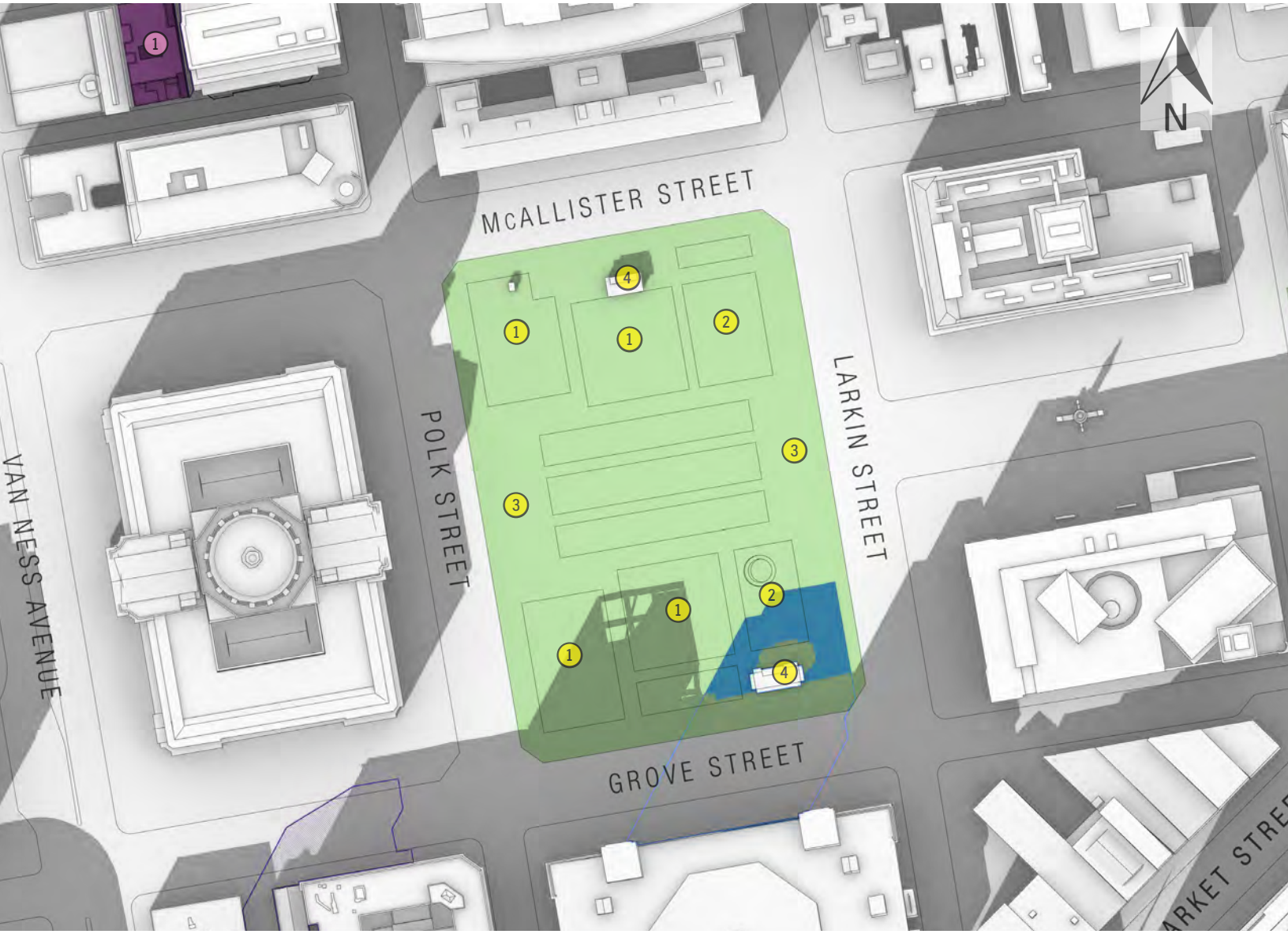
Cumulative Projects

1. 555 Golden Gate Avenue

E8H.13

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.14

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.15

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8H.16

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

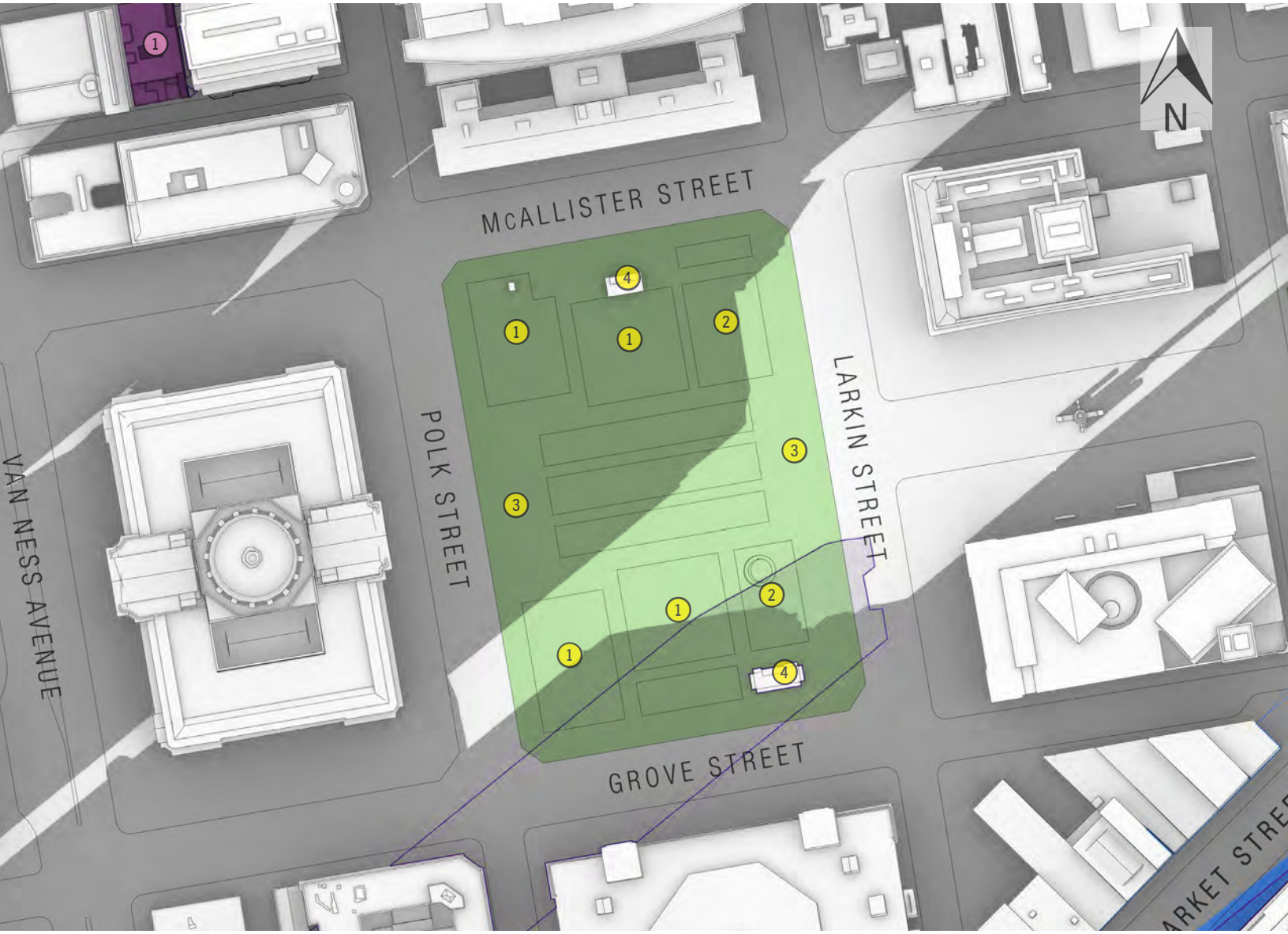
Cumulative Projects

1. 555 Golden Gate Avenue

E8H.17

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:54 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.1

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

8:19 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.2

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

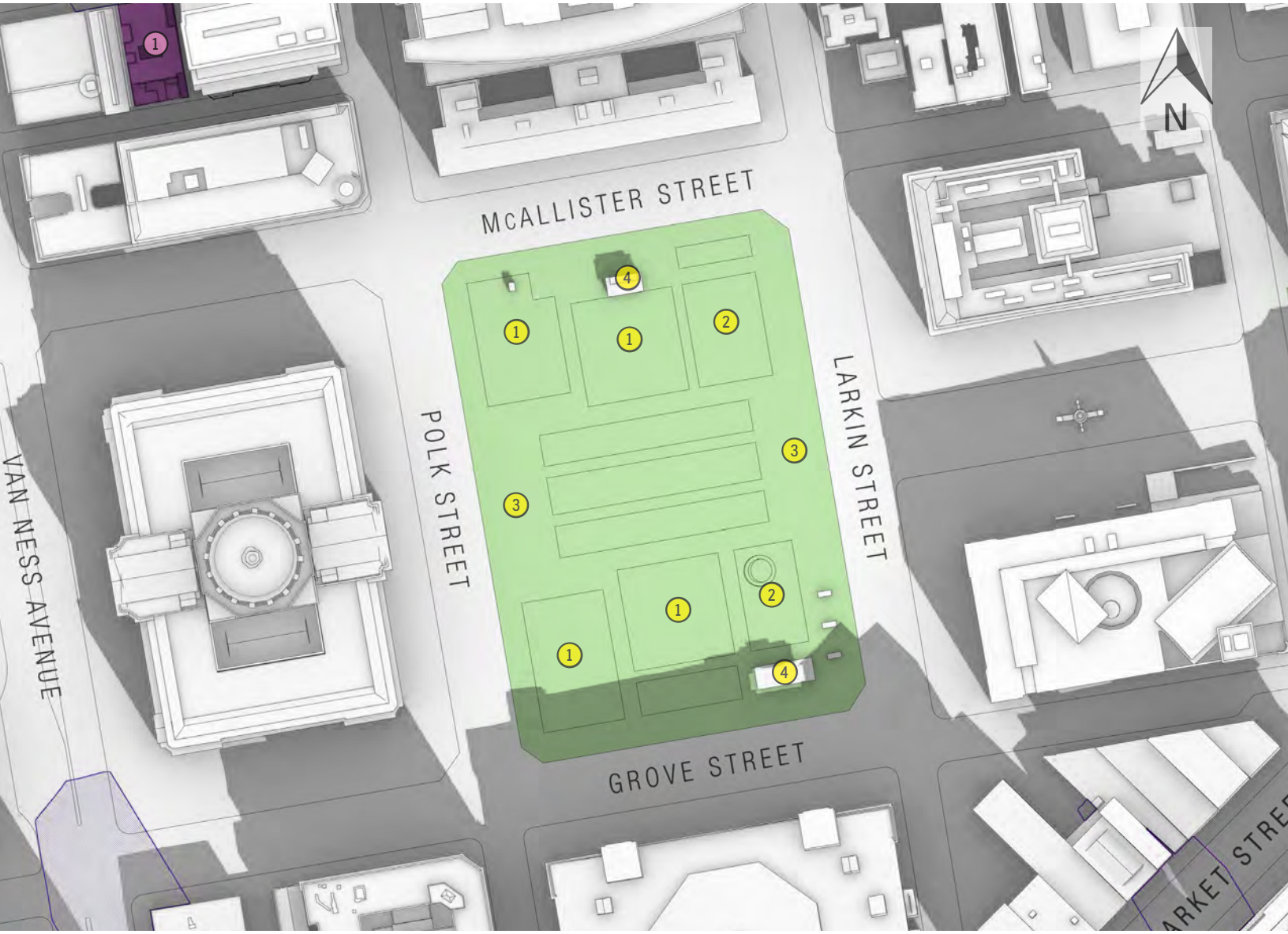
Cumulative Projects

1. 555 Golden Gate Avenue

E8V.3

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.4

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.5

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.6

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.7

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.8

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.9

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.10

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.11

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

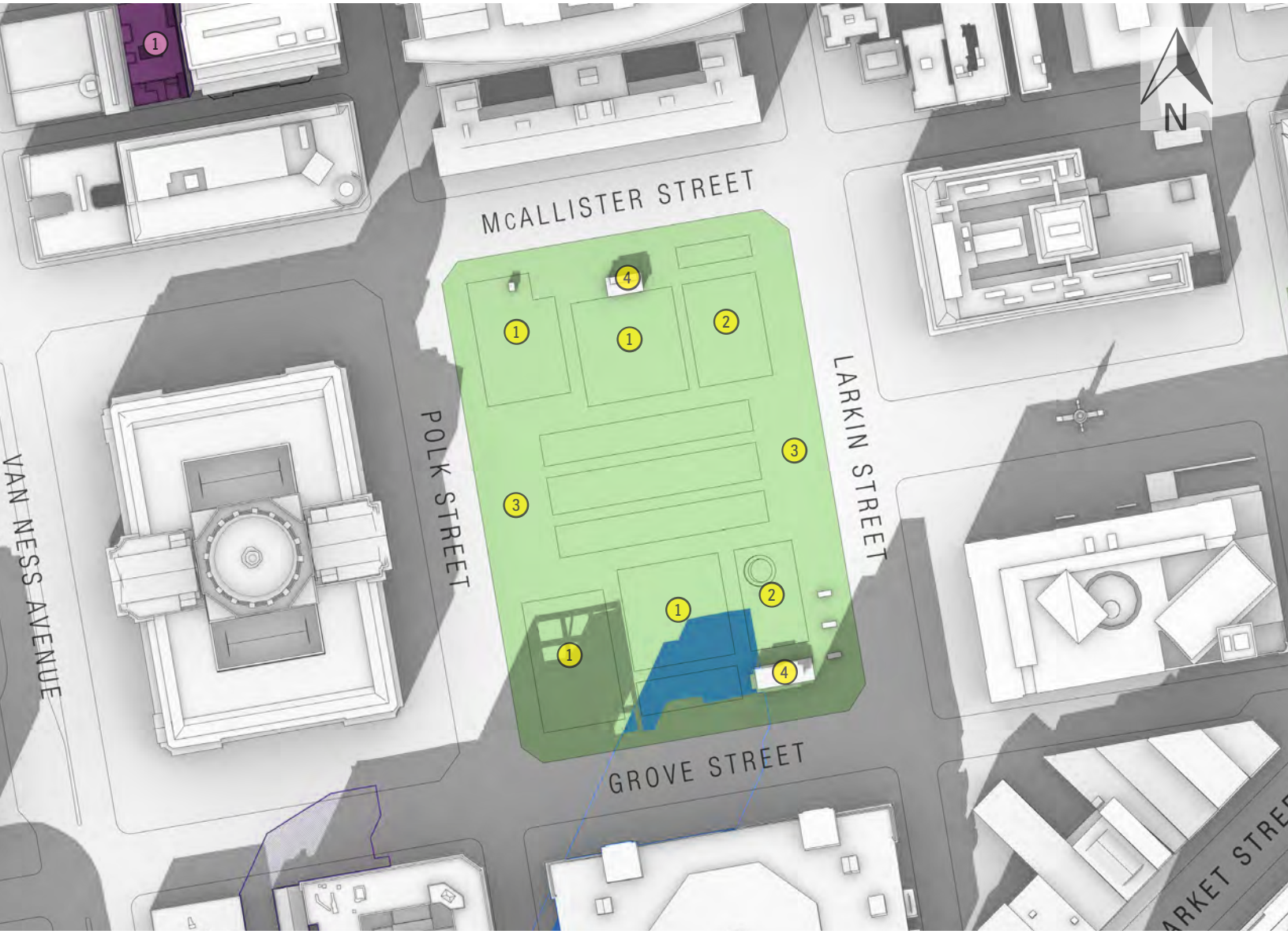
Cumulative Projects

1. 555 Golden Gate Avenue

E8V.12

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

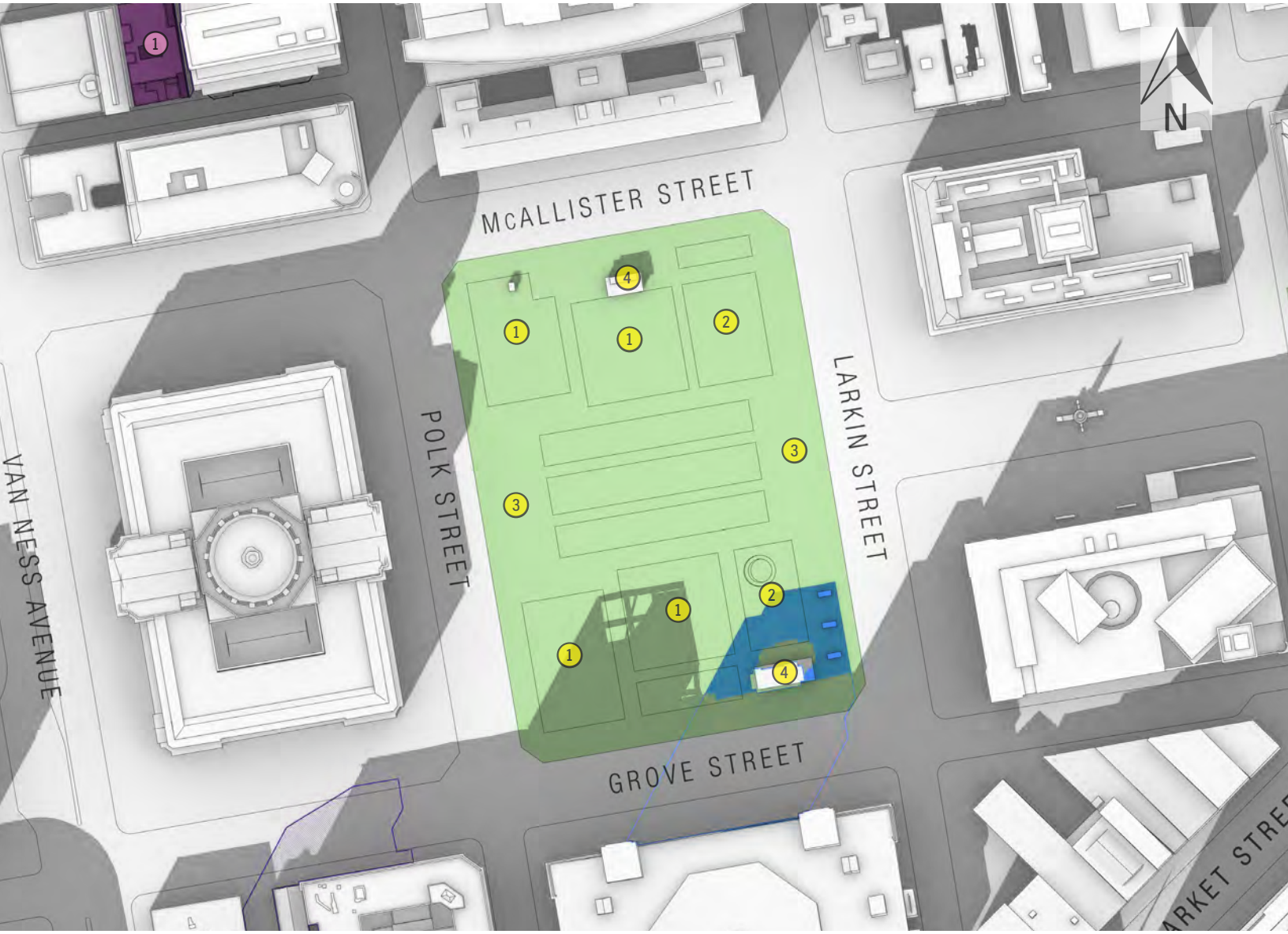
Cumulative Projects

1. 555 Golden Gate Avenue

E8V.13

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.14

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.15

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

E8V.16

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

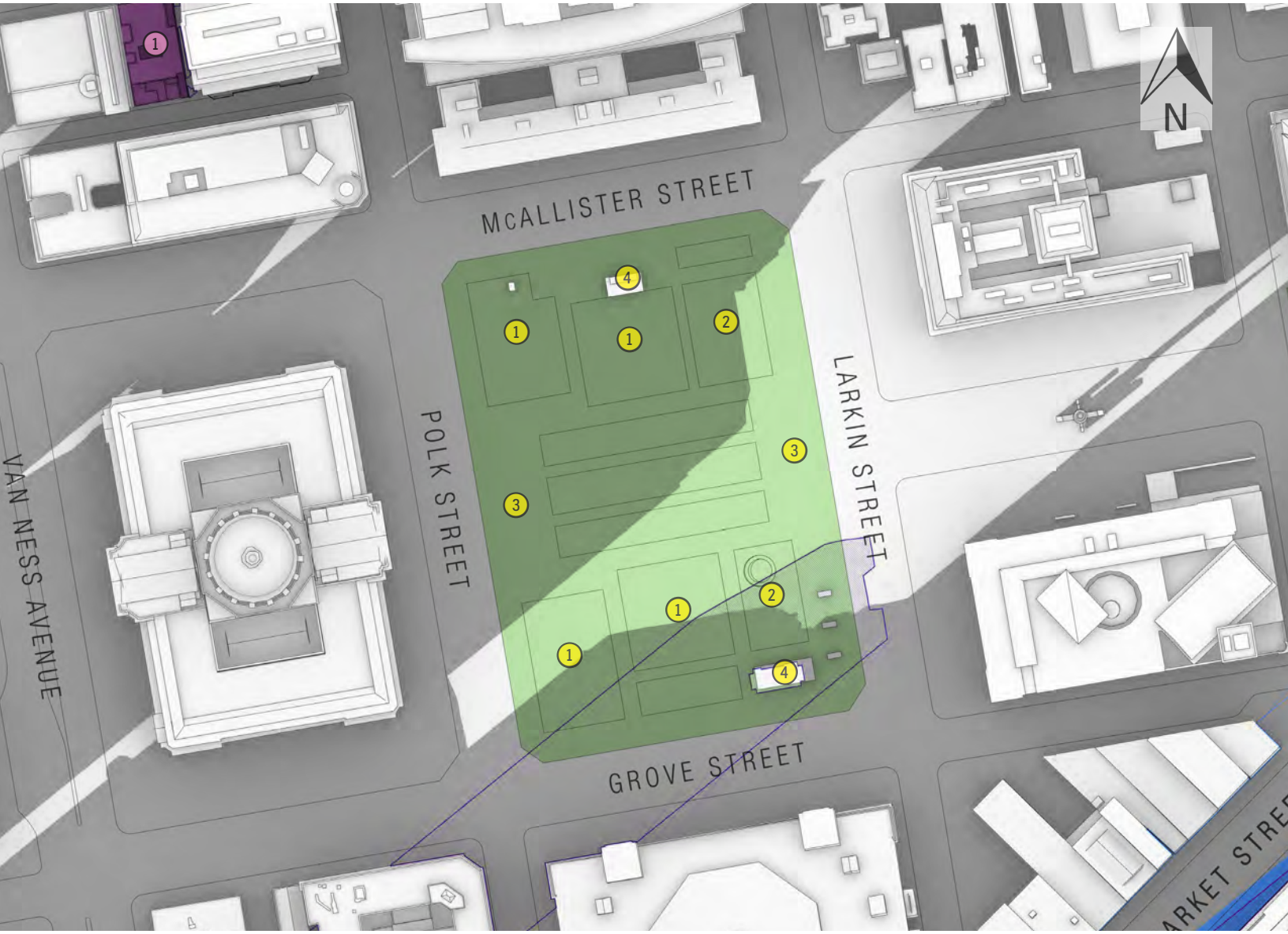
Cumulative Projects

1. 555 Golden Gate Avenue

E8V.17

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:54 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

EXHIBIT E9: 11TH & NATOMA PARK SITE GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E9H - Max Days for the Hub Plan: November 22 & January 18

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

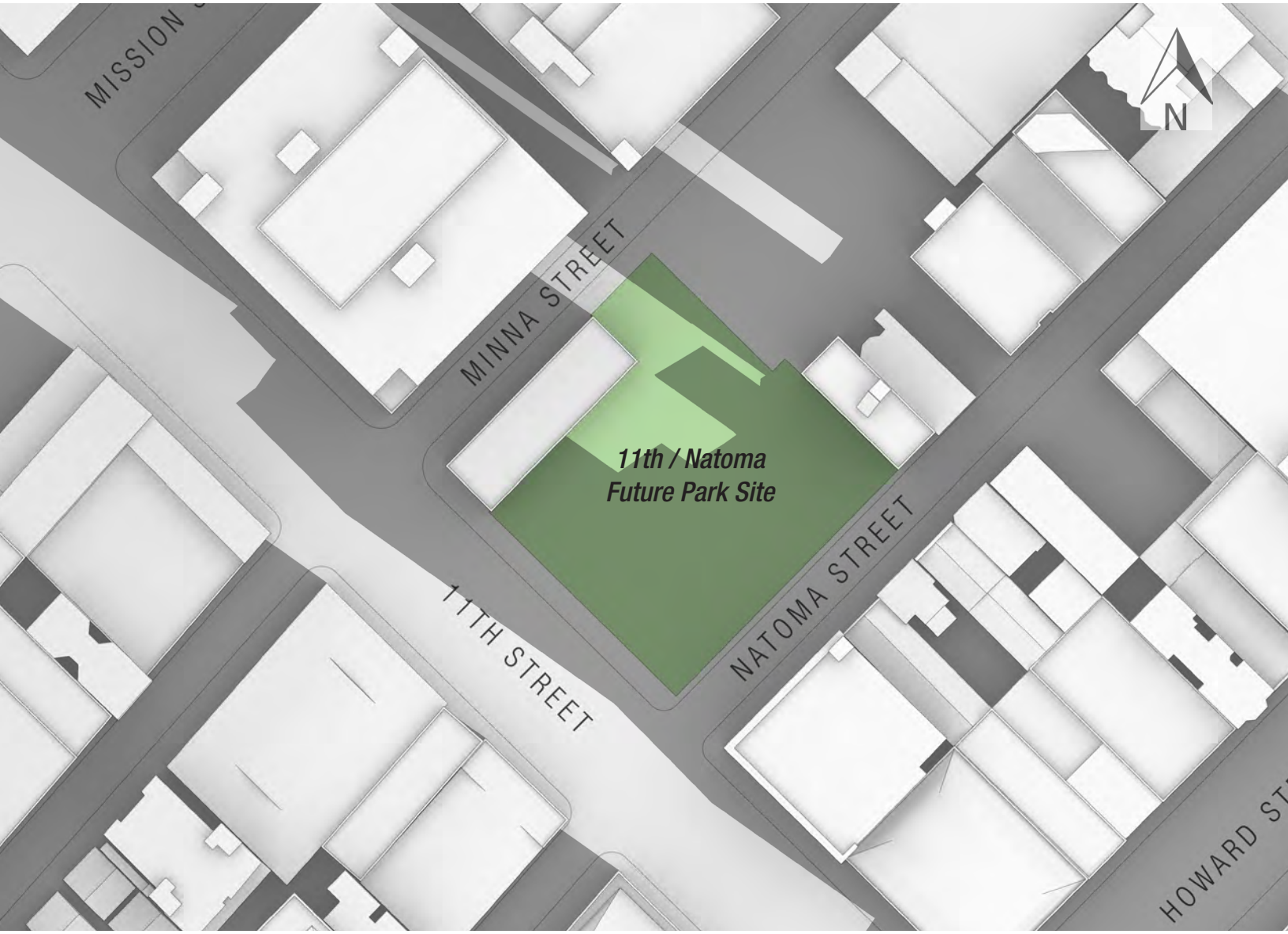
E9F - Max Day for 98 Franklin Street Project: June 21

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E9H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

7:57 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

8:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

1:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.10

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

2:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.11

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

2:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.12

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

2:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.13

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.14

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

3:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.15

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

3:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.16

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

3:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9H.17

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the 11th/Natoma Park Site



DATES OF MAXIMUM NET NEW SHADOW
NOVEMBER 22 & JANUARY 18

3:54 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.1

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

6:46 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

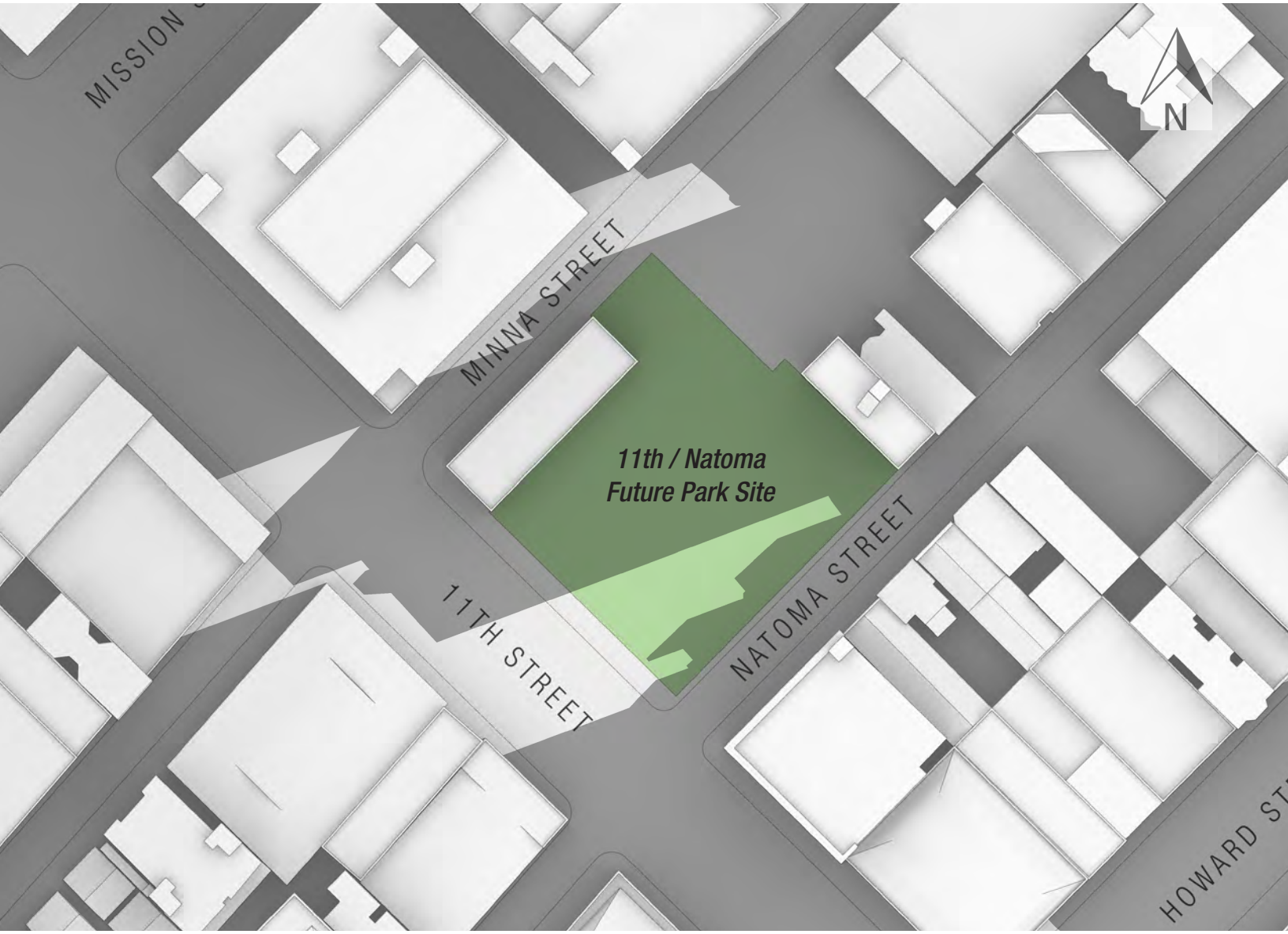
The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.2

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

7:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

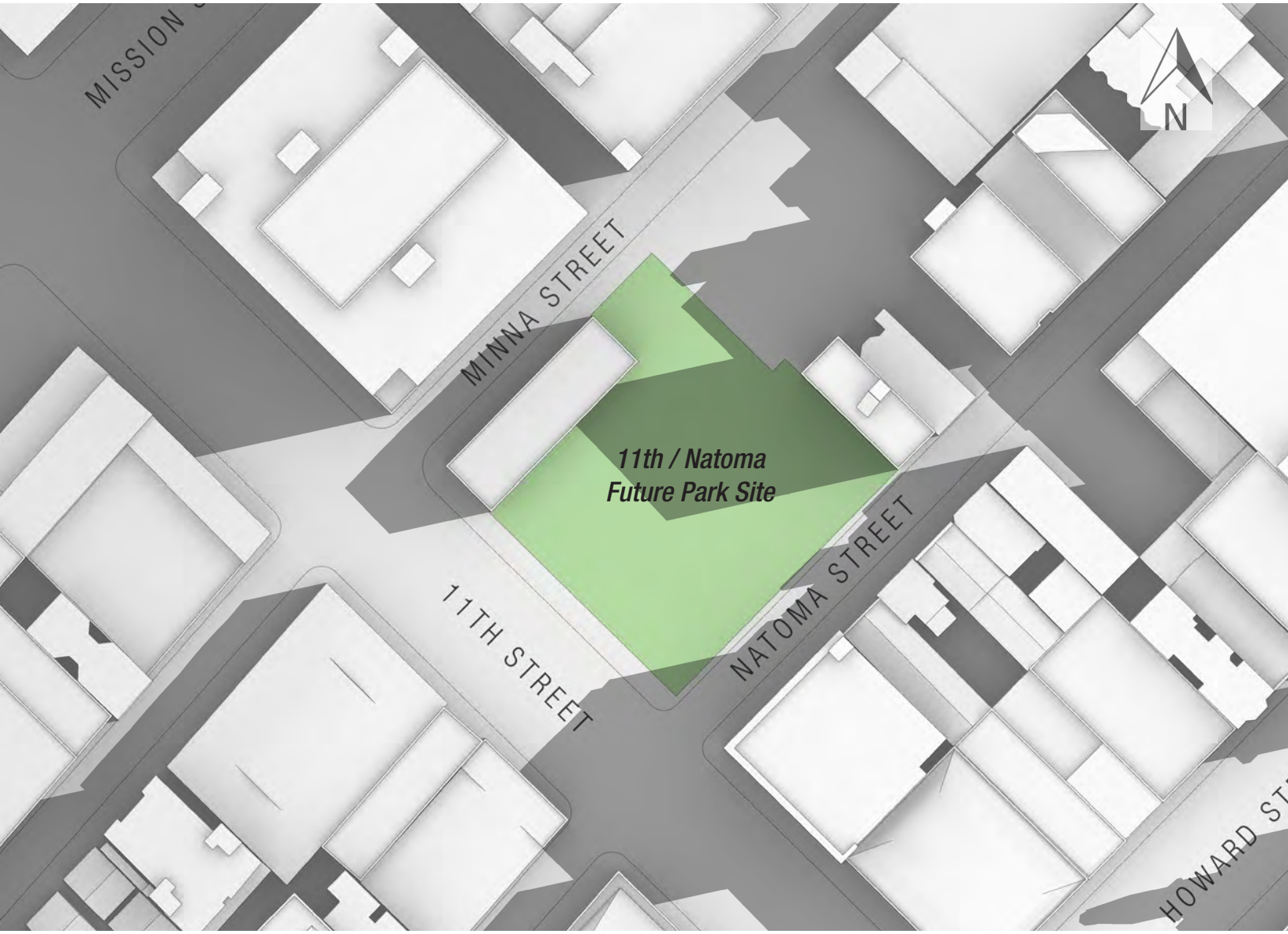
The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.3

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

8:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

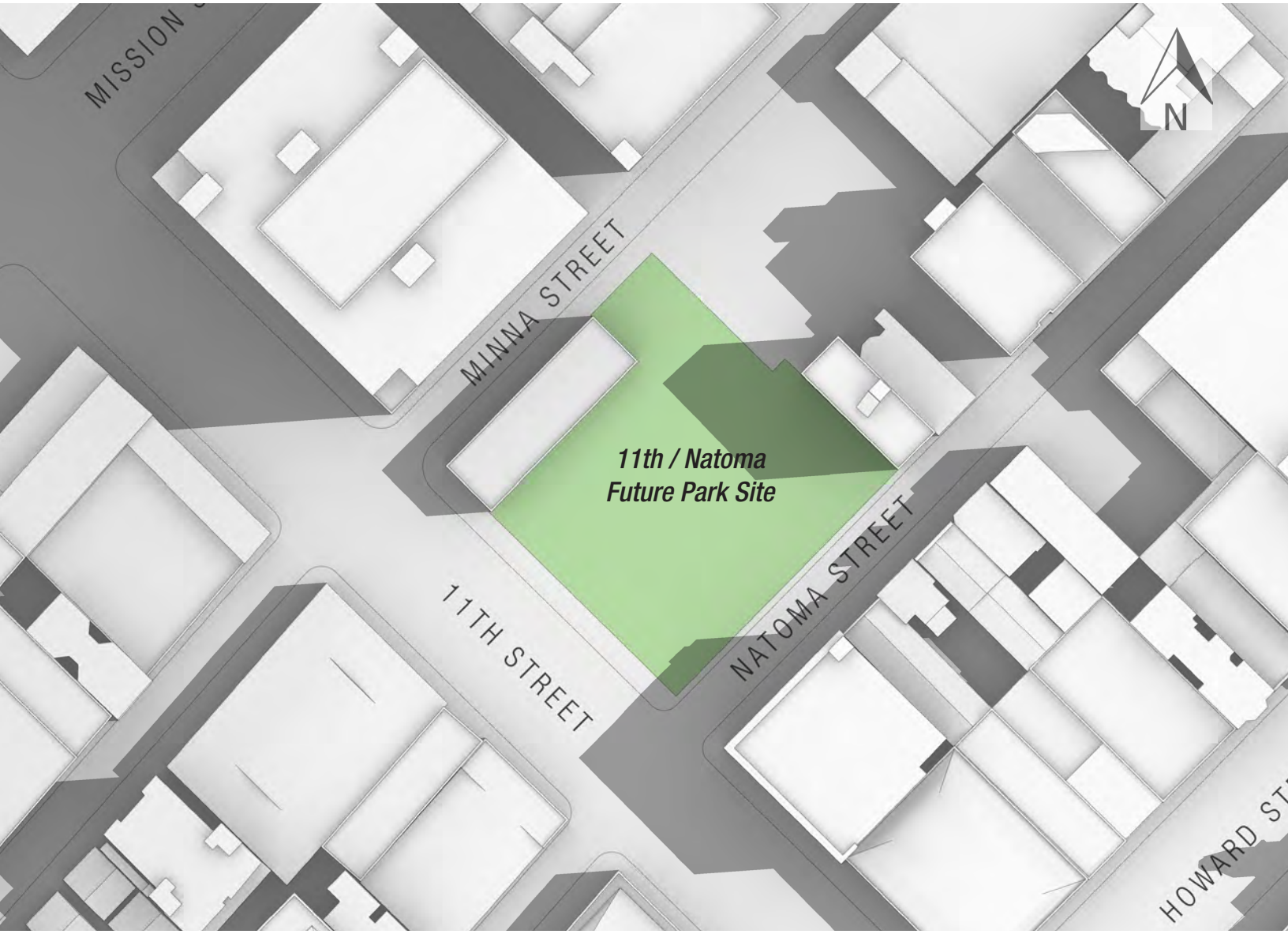
The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.4

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.5

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.6

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.7

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.8

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.9

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.10

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.11

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.12

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.13

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

6:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.14

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

6:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.15

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

7:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.16

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

7:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.

No specific park features are indicated as at the present time no design for this future park has been approved.

E9F.17

98 FRANKLIN PROJECT - DETAIL SHADOW DIAGRAM

Date of maximum net new shadow on the 11th/Natoma Park Site



DATE OF MAXIMUM NET NEW SHADOW
JUNE 21

7:36 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 98 Franklin Street
- New Shadow from Cumulative Projects

The park area pictured above is covered by existing buildings under current conditions, however the analysis assumes that at such a time when this park is developed, all existing buildings shall be demolished.
No specific park features are indicated as at the present time no design for this future park has been approved.

EXHIBIT E10: HOWARD & LANGTON MINI PARK GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E10H - Max Days for the Hub Plan: October 11 & March 1

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E10V - Max Days for the 30 Van Ness Avenue: Sept 27 & March 15

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E10H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

8:16 AM

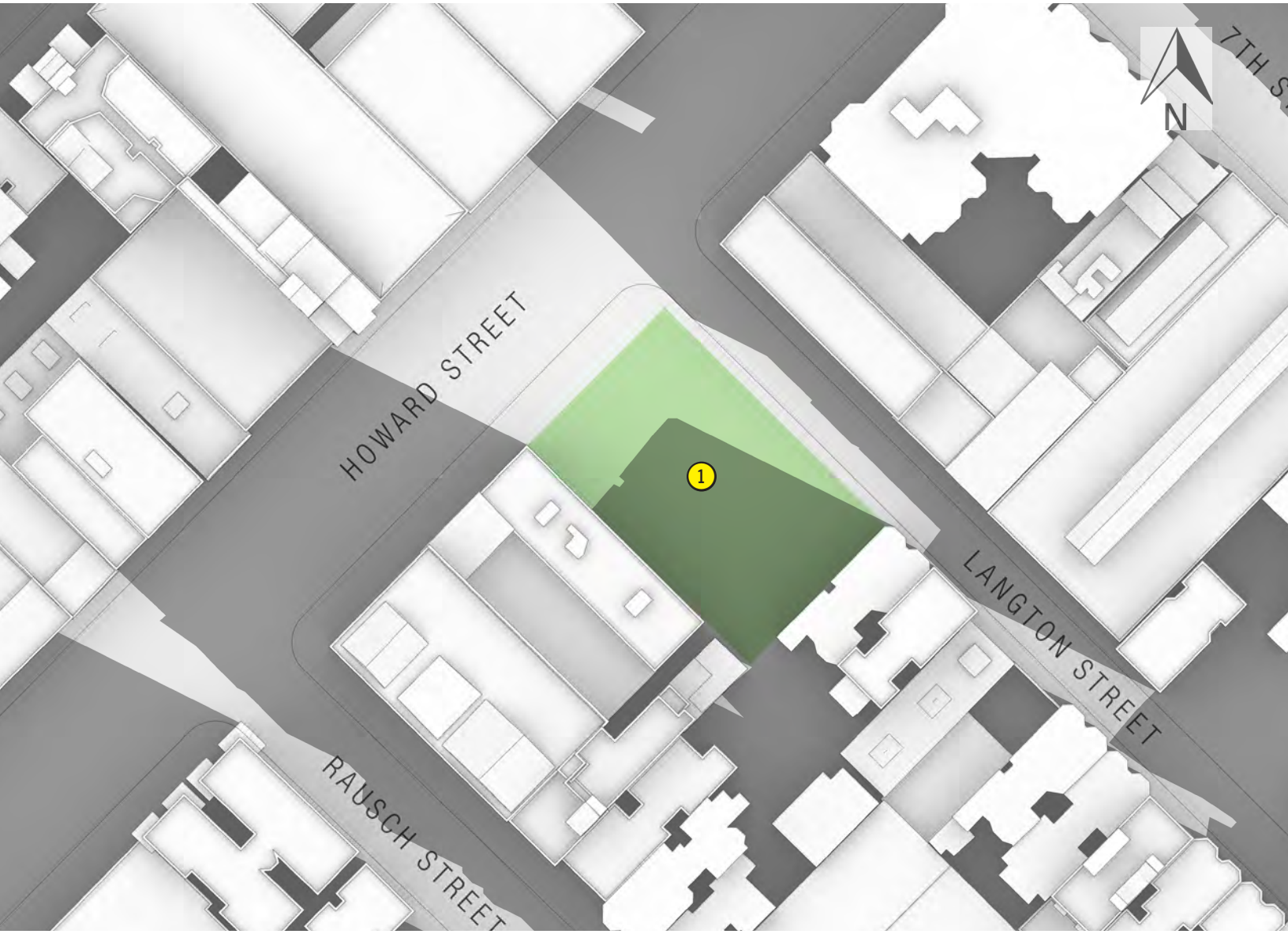
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

9:00 AM

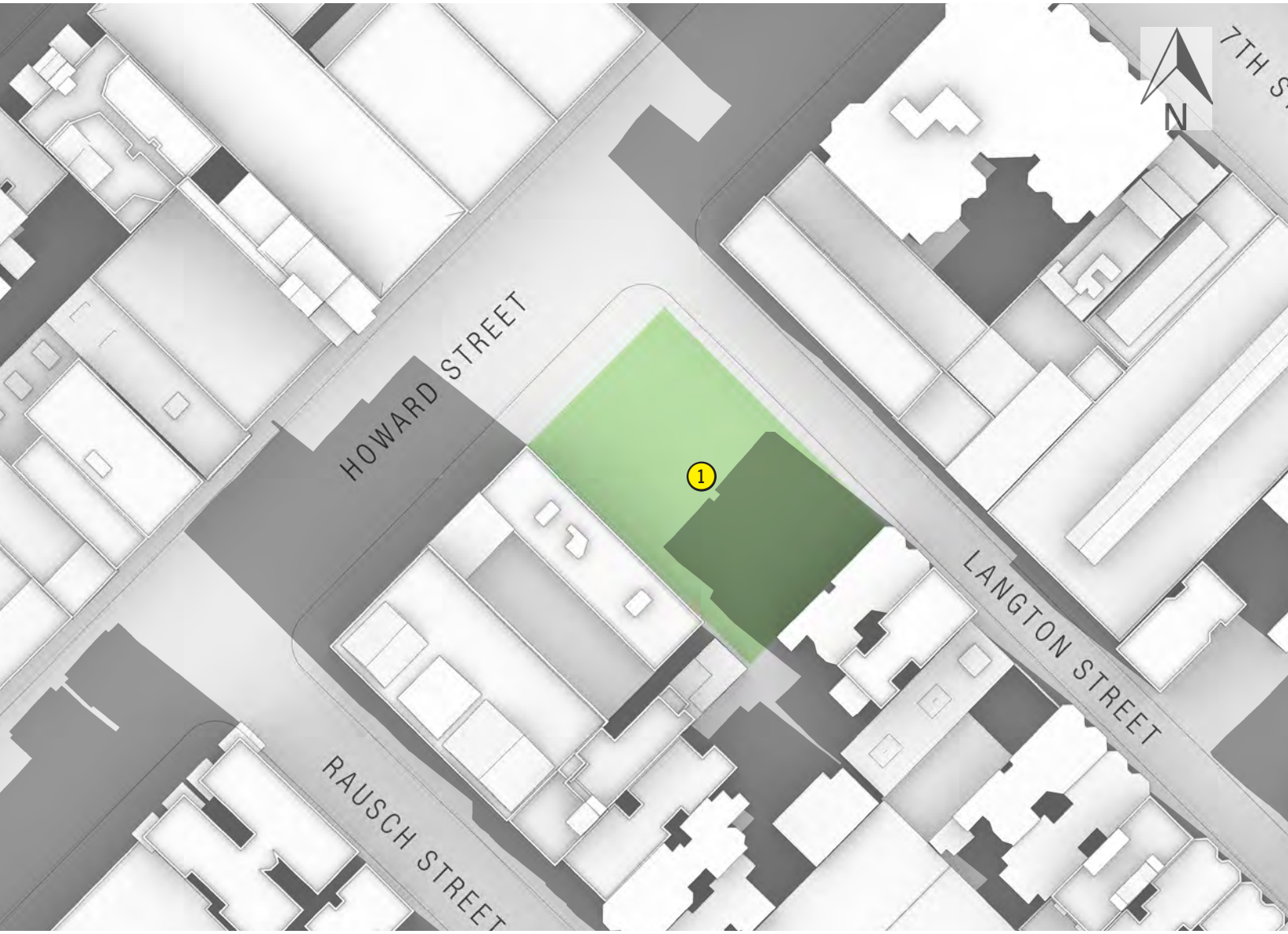
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

10:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

11:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

12:00 PM

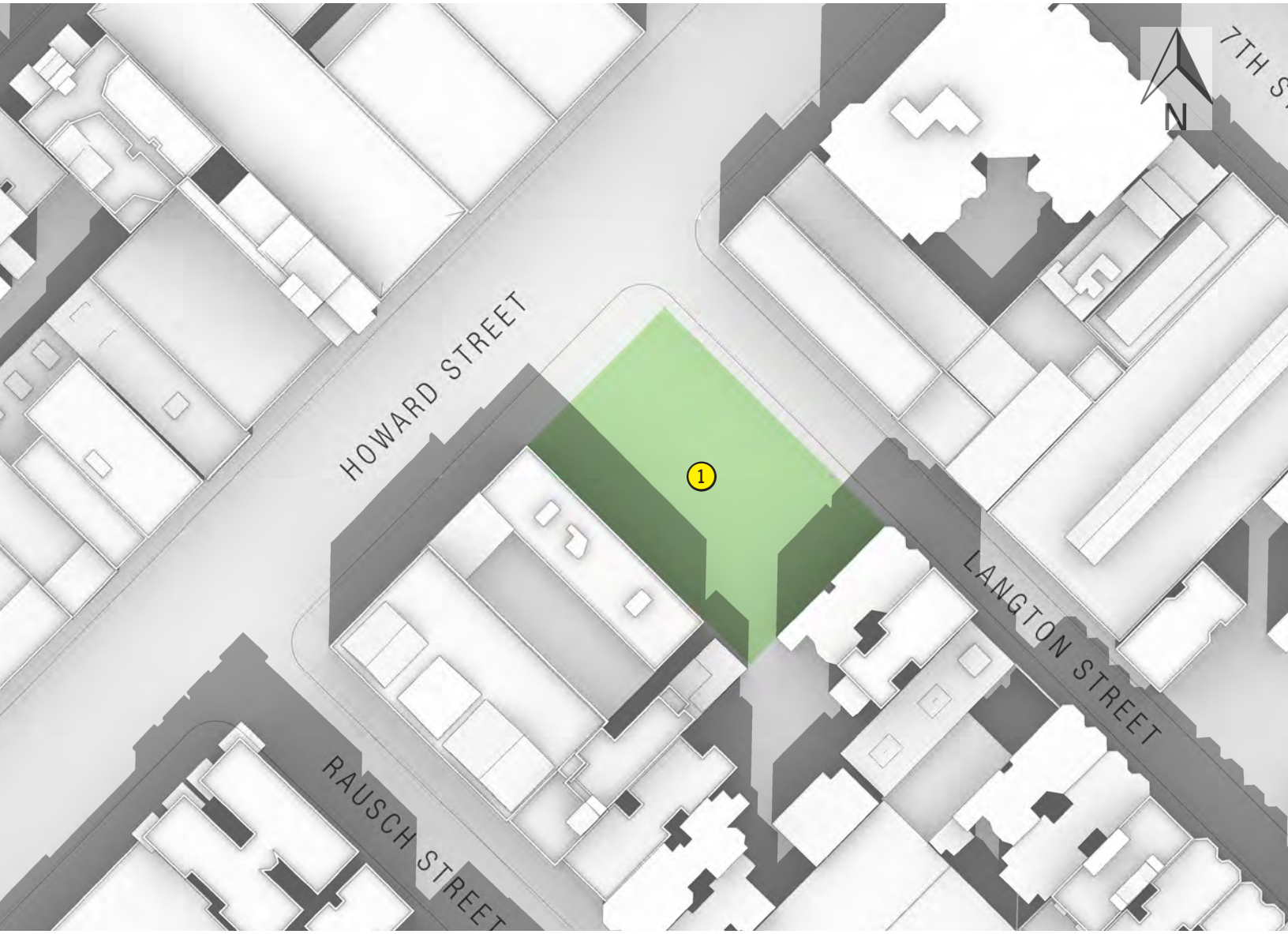
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

1:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

2:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

3:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

4:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.10 THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

5:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.11 THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

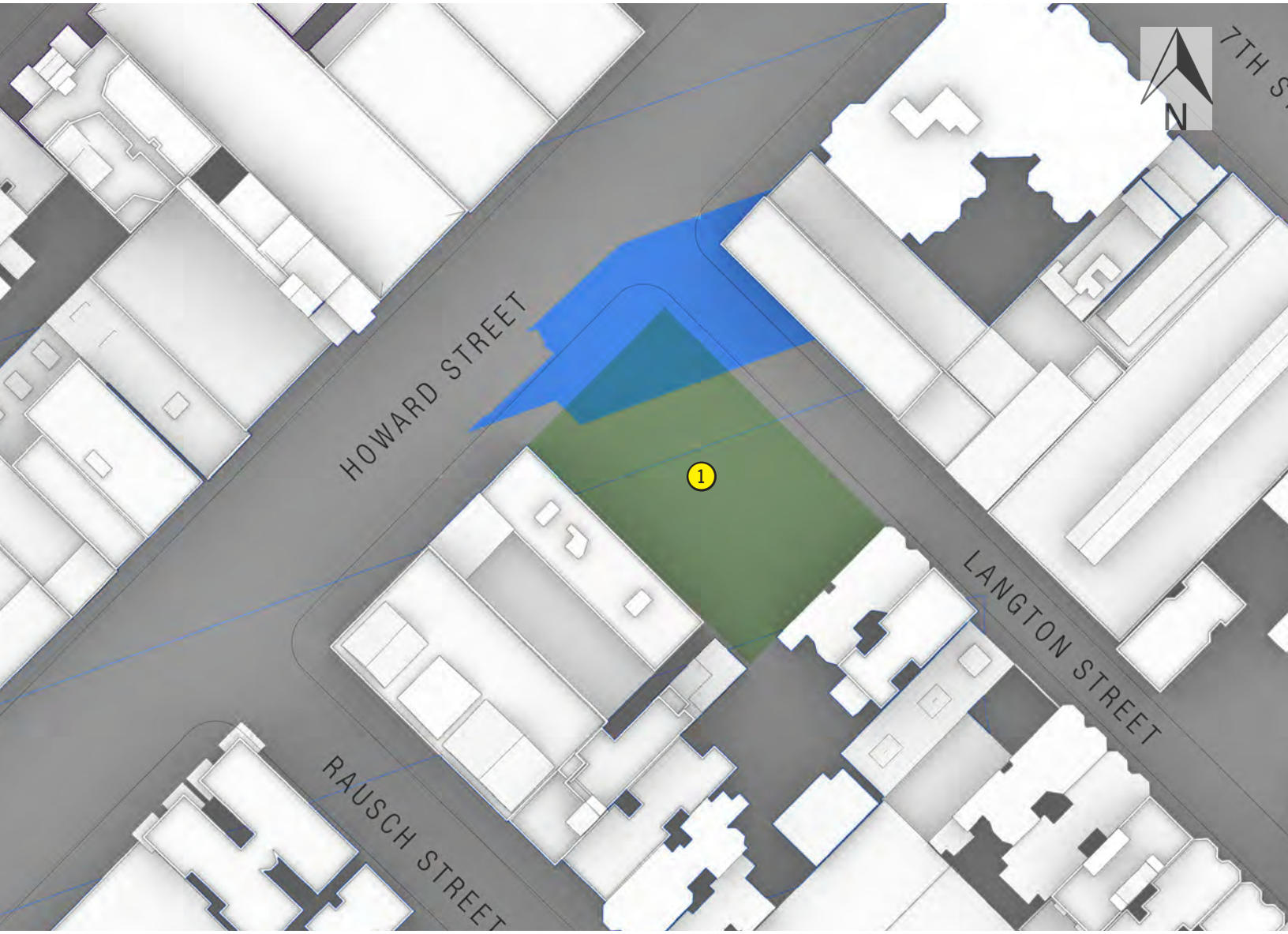
5:15 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.12 THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

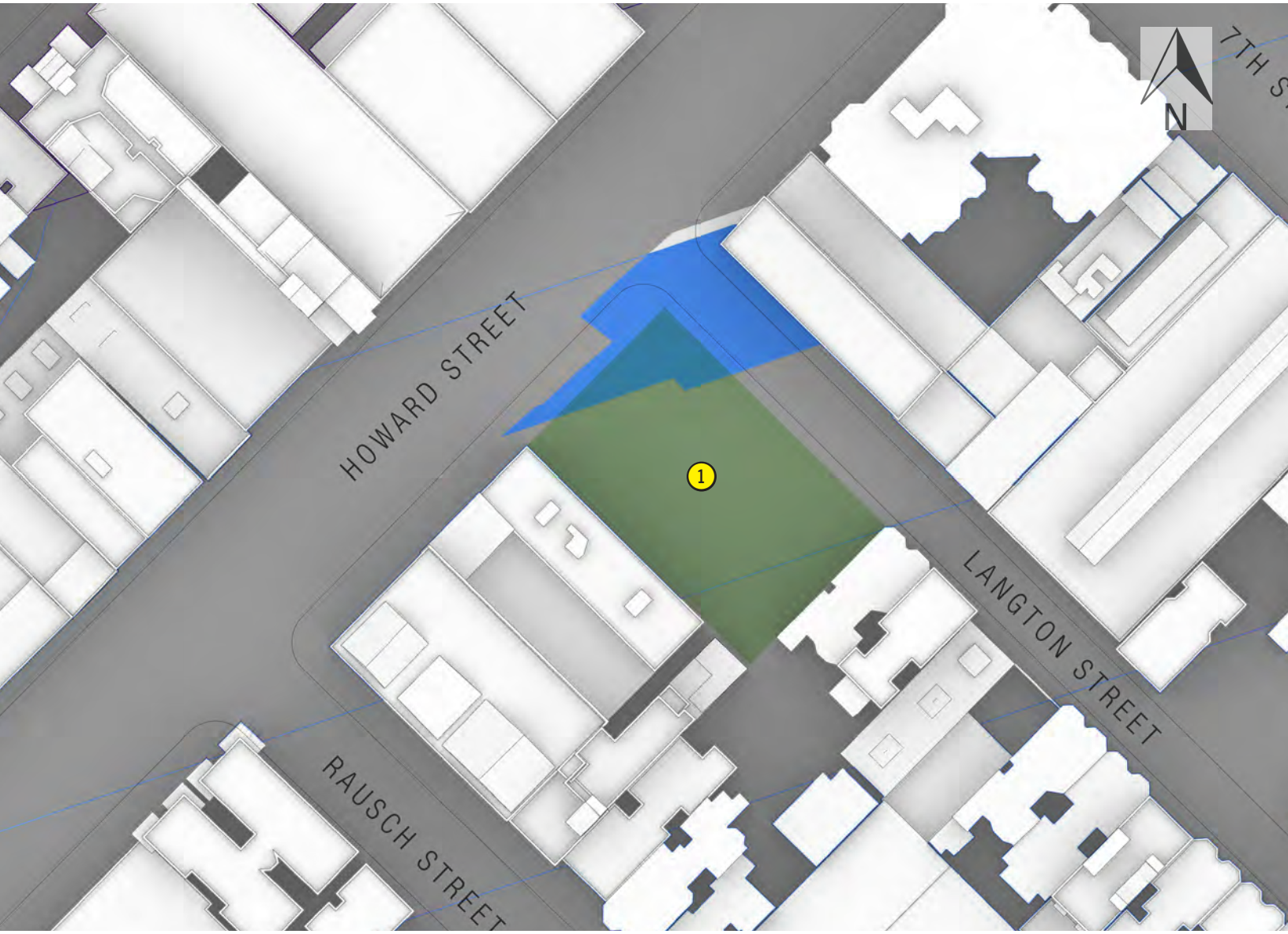
5:30 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10H.13 THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 11 & MARCH 1

5:37 PM

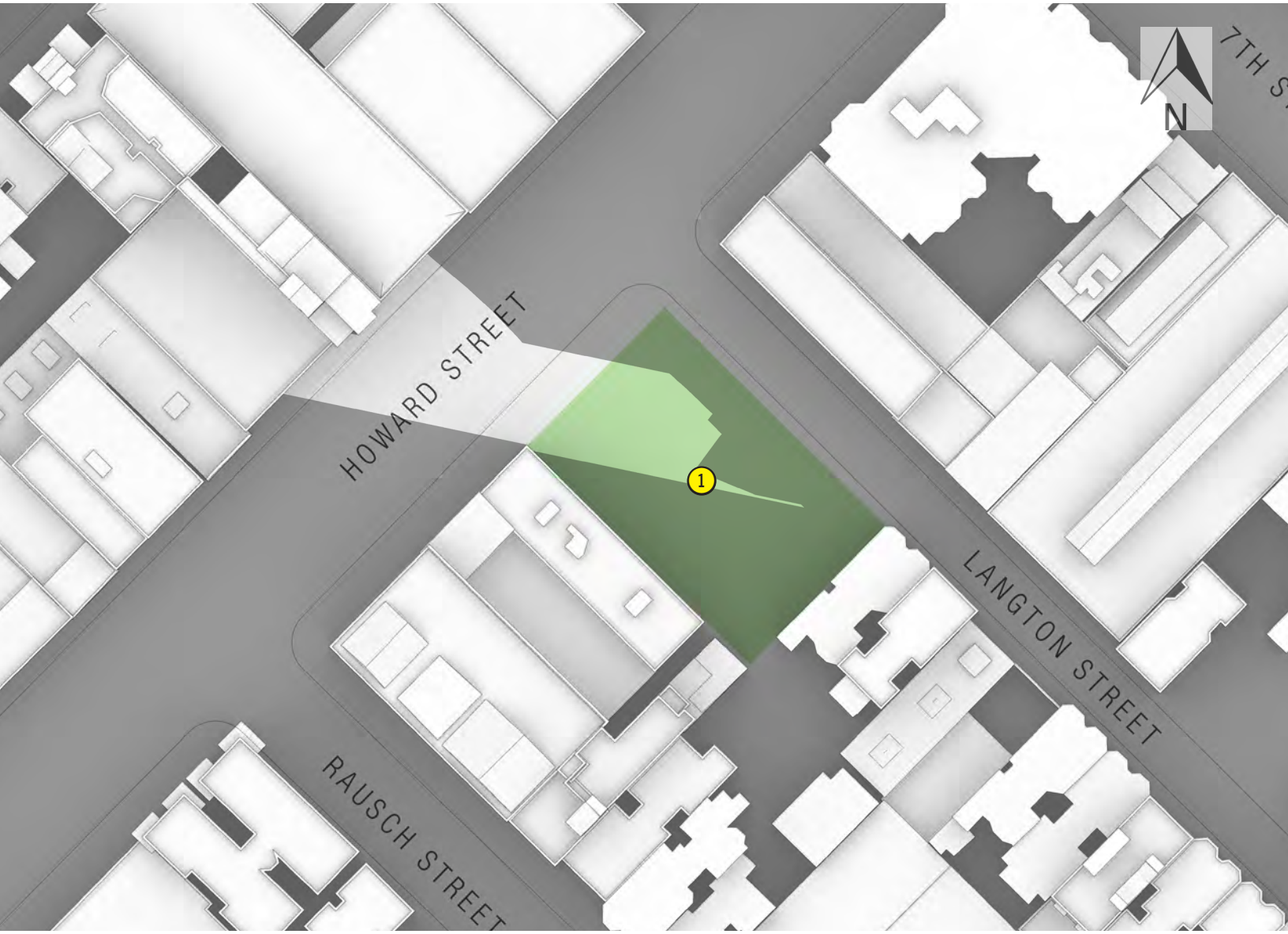
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from the Hub Plan
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.1

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

8:03 AM

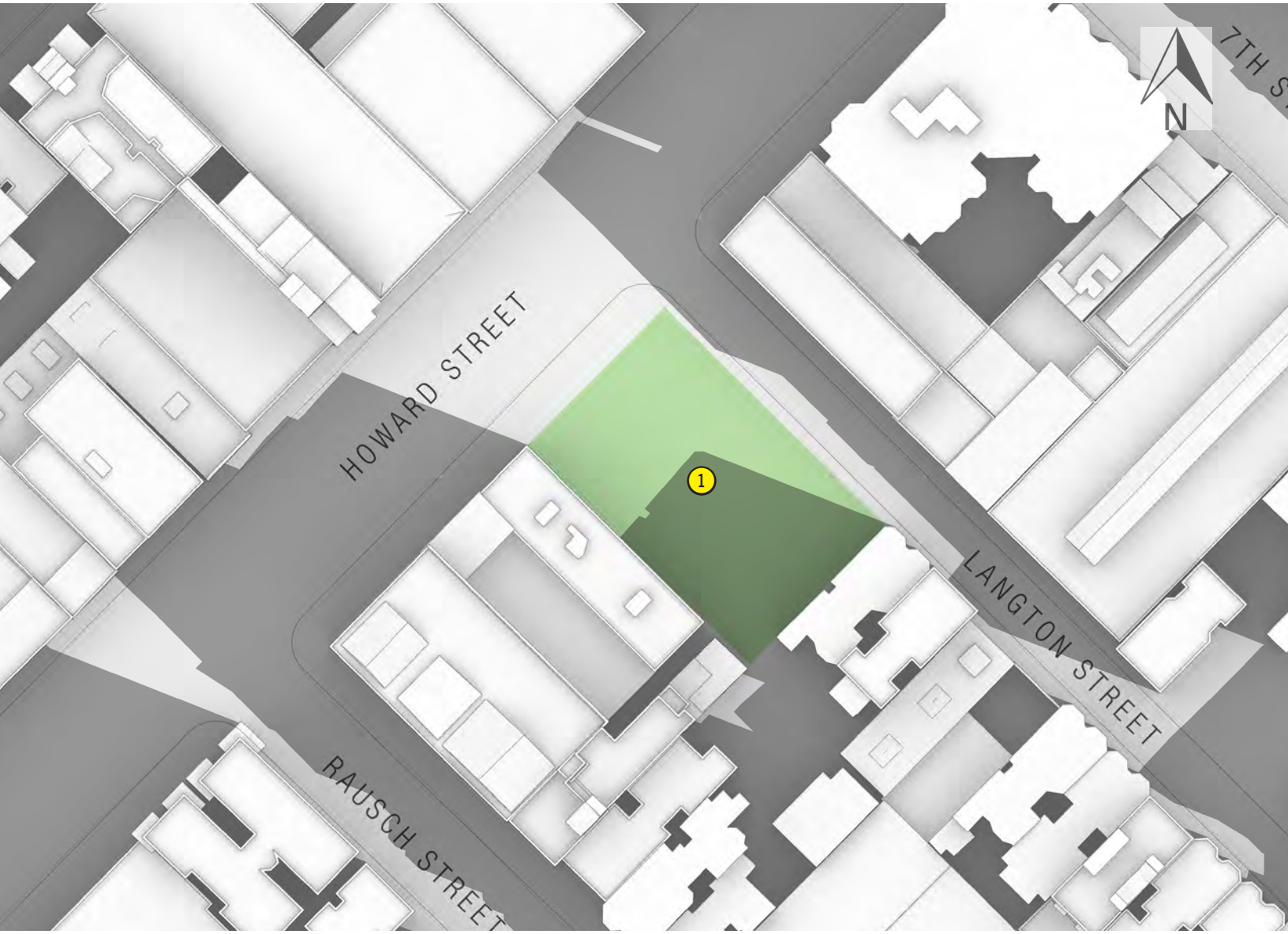
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.2

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

9:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.3

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

10:00 AM

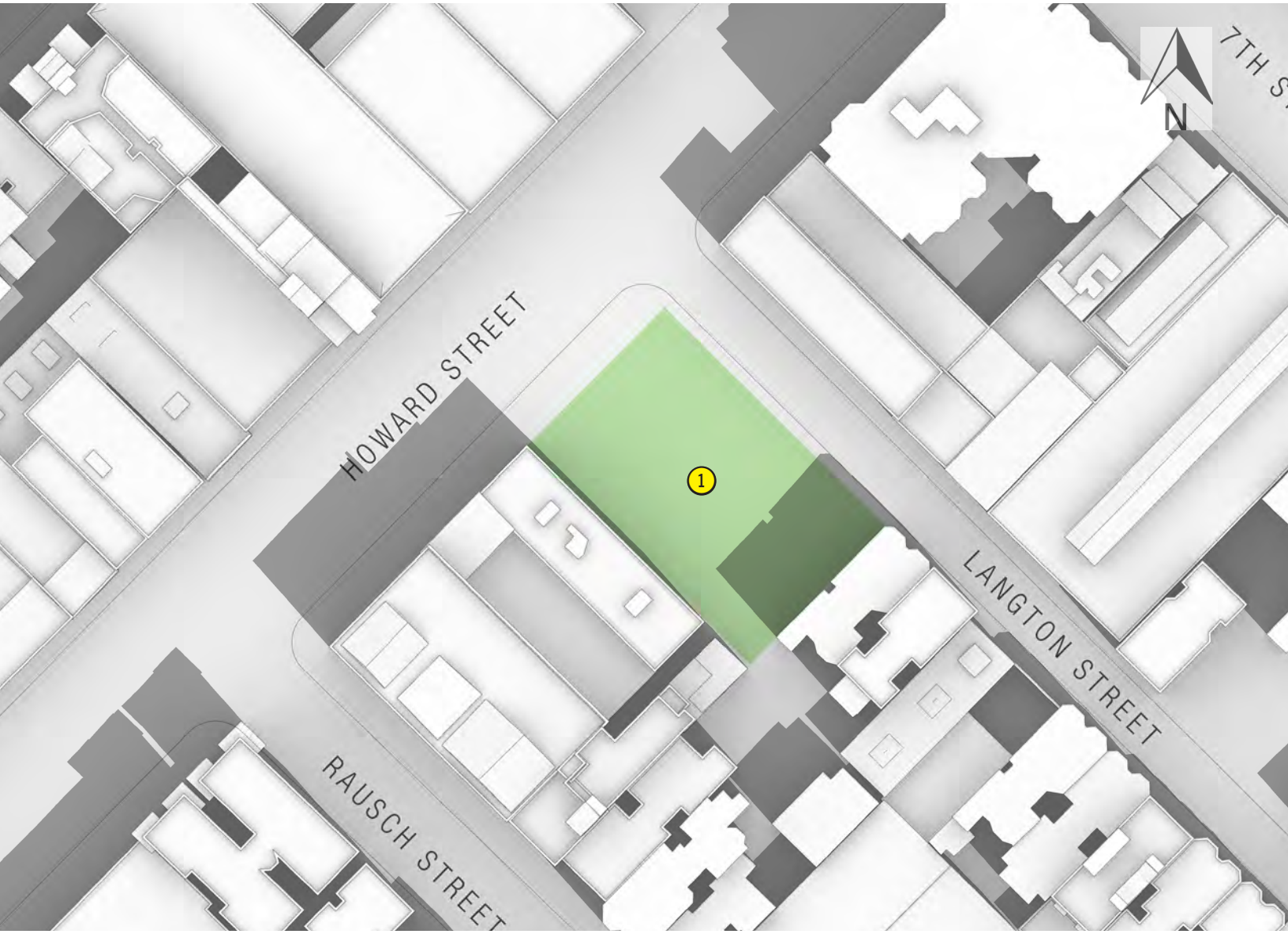
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.4

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

11:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.5

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

12:00 PM

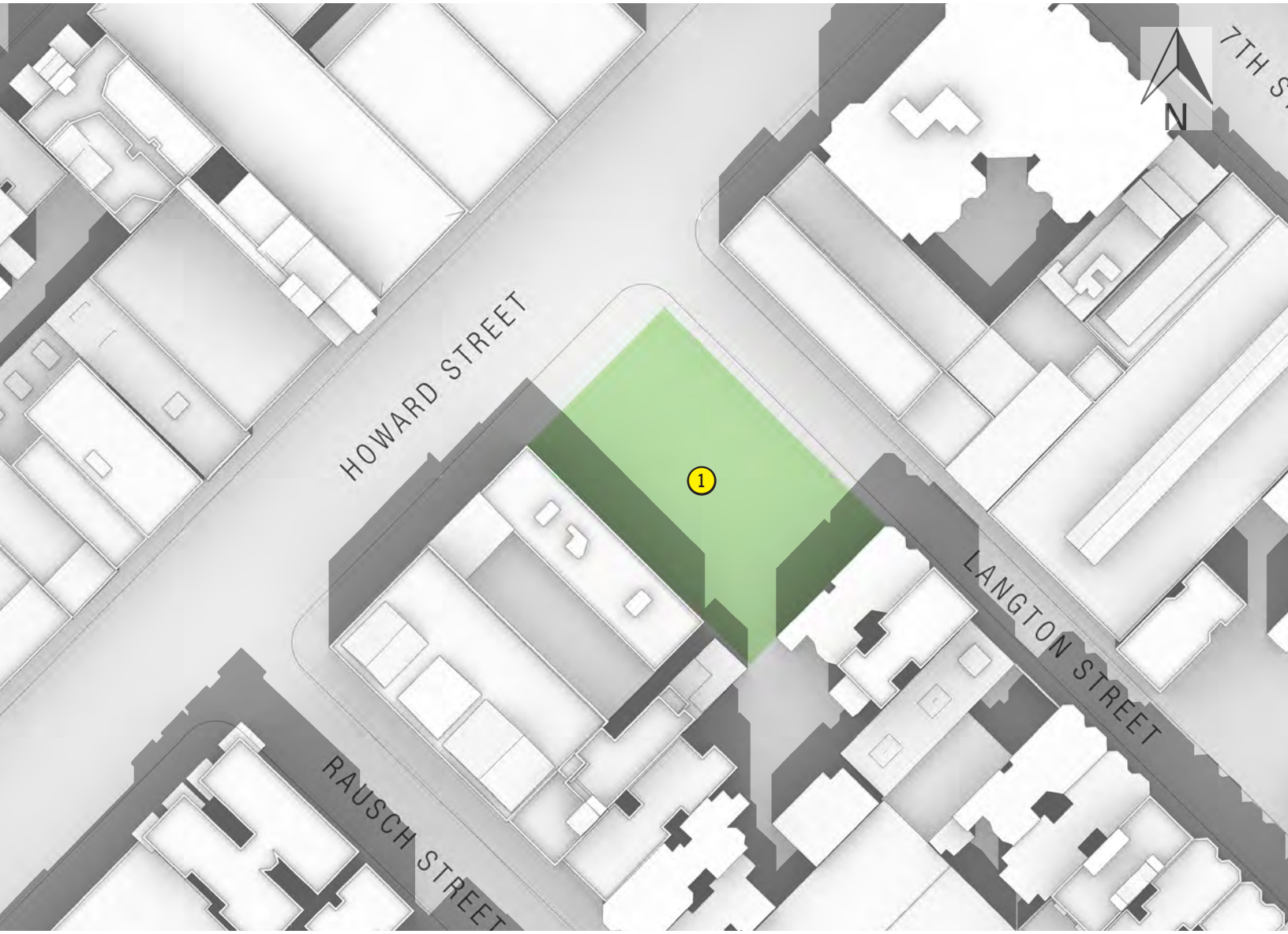
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.6

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

1:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.7

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

2:00 PM

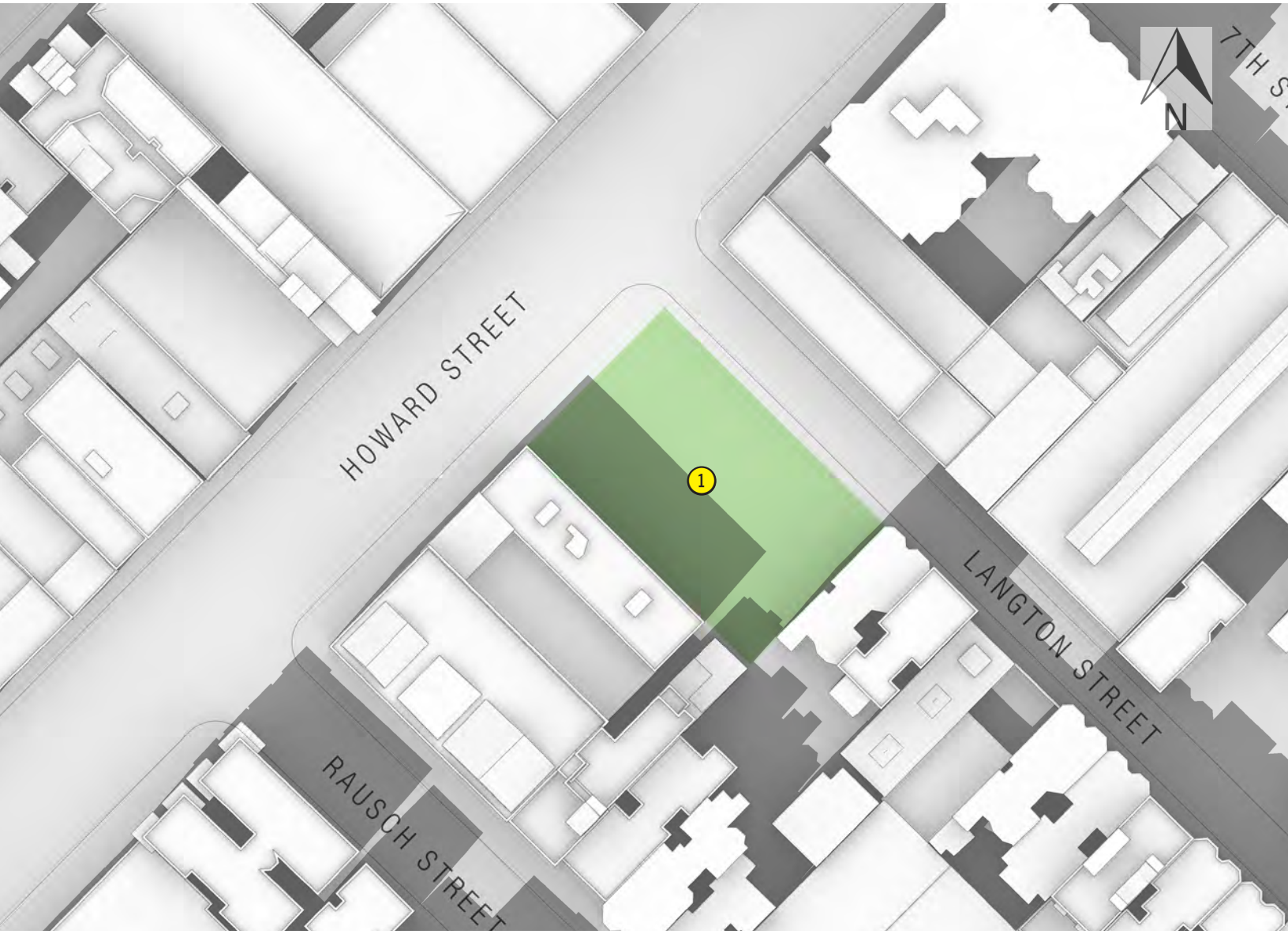
The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.8

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

3:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.9

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Open Space Features

1. Community Garden

E10V.10

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

5:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.11 30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

5:45 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

E10V.12

30 VAN NESS PROJECT - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on Howard Langton Mini Park



DATES OF MAXIMUM NET NEW SHADOW
SEPTEMBER 27 & MARCH 15

5:58 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Open Space Features
1 Community Garden

EXHIBIT E11: GENE FRIEND REC CENTER GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E11H - Max Days for the Hub Plan: October 18 & February 22

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E11H.1

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

8:22 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.2

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

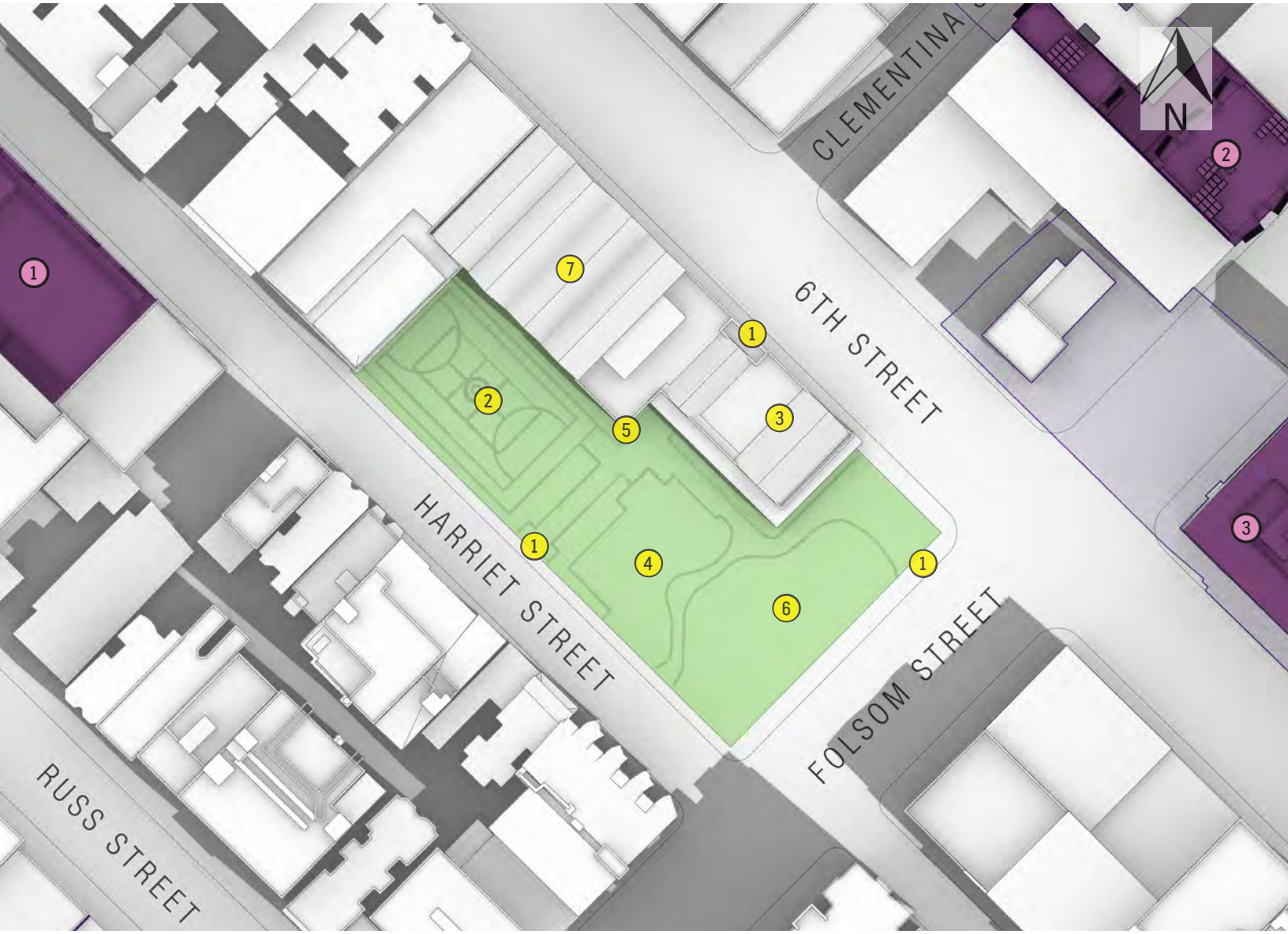
Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.3

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.4

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.5

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.6

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.7

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.8

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.9

THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.10 THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.11 THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

5:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

E11H.12 THE HUB PLAN - DETAIL SHADOW DIAGRAM

Dates of maximum net new shadow on the Gene Friend Rec Center



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 18 & FEBRUARY 22

5:27 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Gene Friend Recreation Center Features

1. Park Entries
2. Basketball Court
3. Recreation Center
4. Playground
5. Restrooms
6. Lawn
7. Gymnasium

Cumulative Projects

1. 1025 Howard Street
2. 980 Folsom Street
3. 999 Folsom Street

EXHIBIT E12: VICTORIA MANALO DRAVES PARK GRAPHICS ON DAYS OF MAXIMUM NET NEW SHADOW

E12H - Max Days for the Hub Plan: Ocotber 4 & March 8

Diagrams at one hour intervals starting one hour after sunrise to one hour prior to sunset, and at 15-minute intervals when net new shadow is present.

E12H.1

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

8:09 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.2

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.3

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.4

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.5

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.6

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.7

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

2:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.8

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.9

THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

4:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.10 THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

5:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.11 THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

5:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

E12H.12 THE HUB PLAN EIR

Dates of maximum net new shadow on Victoria Manalo Draves Park



DATES OF MAXIMUM NET NEW SHADOW
OCTOBER 4 & MARCH 8

5:47 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from the Hub Plan
- New Shadow from Cumulative Projects

Open Space Features

1. Park Entry
2. Basketball Court
3. Community Garden
4. Children's Play Areas
5. Restrooms
6. Grass Areas
7. Picnic Areas
8. Ball field
9. Batting Cage

EXHIBIT F1: JEFFERSON SQUARE PARK DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	46,763.22	5,143.95	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	50,774.18	5585.16	20.7%	50,774.18	5585.16	20.7%
7:00 AM	23,548.15	5,416.08	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	37,720.47	8675.71	15.3%	37,720.47	8675.71	15.3%
7:15 AM	7,325.35	1,831.34	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	30,065.24	7516.31	12.2%	30,065.24	7516.31	12.2%
7:30 AM	3,435.06	858.77	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	22,663.80	5665.95	9.2%	22,663.80	5665.95	9.2%
7:45 AM	2,123.78	530.94	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,477.38	4119.35	6.7%	16,477.38	4119.35	6.7%
8:00 AM	1,239.43	309.86	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,045.07	3011.27	4.9%	12,045.07	3011.27	4.9%
8:15 AM	723.14	180.79	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,667.86	2166.97	3.5%	8,667.86	2166.97	3.5%
8:30 AM	615.25	153.81	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,045.39	1511.35	2.5%	6,045.39	1511.35	2.5%
8:45 AM	601.41	150.35	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,840.49	960.12	1.6%	3,840.49	960.12	1.6%
9:00 AM	589.89	147.47	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,063.67	515.92	0.8%	2,063.67	515.92	0.8%
9:15 AM	580.55	145.14	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	829.09	207.27	0.3%	829.09	207.27	0.3%
9:30 AM	572.47	143.12	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	216.37	54.09	0.1%	216.37	54.09	0.1%
9:45 AM	564.69	141.17	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	557.06	139.26	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	550.07	137.52	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	542.88	135.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	536.20	134.05	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	529.14	132.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	522.90	130.73	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	515.54	128.88	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	509.30	127.32	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	501.80	125.45	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	495.66	123.92	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	487.86	121.96	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	481.62	120.40	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	473.03	118.26	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	478.96	119.74	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	482.13	120.53	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	487.35	121.84	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	490.31	122.58	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	495.12	123.78	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	497.85	124.46	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	502.14	125.54	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	505.21	126.30	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	509.30	127.32	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	512.54	128.13	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	516.70	129.17	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	525.32	131.33	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	545.60	136.40	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	568.38	142.09	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	593.19	148.30	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	623.40	155.85	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	658.10	164.52	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	699.79	174.95	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	749.25	187.31	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	810.27	202.57	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	1,123.73	280.93	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	4,601.57	1,150.39	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	12,583.69	3,145.92	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	26,469.45	6,617.36	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	47,377.31	14,213.19	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	134,503.58	24,210.64	54.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	45,714.69	4,571.47	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	50,493.49	5049.35	20.5%	50,493.49	5049.35	20.5%
7:00 AM	25,948.09	5,708.58	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	39,161.54	8615.54	15.9%	39,161.54	8615.54	15.9%
7:15 AM	8,156.62	2,039.16	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	30,981.29	7745.32	12.6%	30,981.29	7745.32	12.6%
7:30 AM	3,711.83	927.96	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23,497.19	5874.30	9.6%	23,497.19	5874.30	9.6%
7:45 AM	2,250.42	562.60	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,107.53	4276.88	7.0%	17,107.53	4276.88	7.0%
8:00 AM	1,333.00	333.25	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,509.13	3127.28	5.1%	12,509.13	3127.28	5.1%
8:15 AM	759.62	189.90	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,024.33	2256.08	3.7%	9,024.33	2256.08	3.7%
8:30 AM	617.94	154.49	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,335.60	1583.90	2.6%	6,335.60	1583.90	2.6%
8:45 AM	603.80	150.95	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,071.51	1017.88	1.7%	4,071.51	1017.88	1.7%
9:00 AM	592.20	148.05	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,254.00	563.50	0.9%	2,254.00	563.50	0.9%
9:15 AM	582.59	145.65	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	925.36	231.34	0.4%	925.36	231.34	0.4%
9:30 AM	573.83	143.46	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	267.02	66.76	0.1%	267.02	66.76	0.1%
9:45 AM	566.33	141.58	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	558.83	139.71	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	551.47	137.87	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	544.17	136.04	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	537.53	134.38	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	530.57	132.64	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	524.06	131.01	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	516.76	129.19	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	510.56	127.64	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	503.16	125.79	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	496.92	124.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	489.08	122.27	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	482.68	120.67	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	474.29	118.57	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	479.16	119.79	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	482.33	120.58	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	487.65	121.91	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	490.58	122.65	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	495.39	123.85	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	498.25	124.56	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	502.58	125.65	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	505.52	126.38	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	509.67	127.42	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	512.91	128.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	517.14	129.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	523.00	130.75	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	543.05	135.76	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	565.65	141.41	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	590.50	147.63	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	619.95	154.99	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	654.21	163.55	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	695.09	173.77	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	743.87	185.97	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	803.87	200.97	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	909.41	227.35	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	4,112.96	1,028.24	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	11,587.46	2,896.86	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	25,056.37	6,264.09	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	44,774.71	13,432.41	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	132,800.23	23,904.04	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	42,554.84	2,553.29	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	49,655.50	2979.33	20.2%	49,655.50	2979.33	20.2%
7:00 AM	28,712.81	5,455.43	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	41,178.65	7823.94	16.8%	41,178.65	7823.94	16.8%
7:15 AM	9,585.21	2,396.30	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	31,943.37	7985.84	13.0%	31,943.37	7985.84	13.0%
7:30 AM	4,196.79	1,049.20	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	24,525.19	6131.30	10.0%	24,525.19	6131.30	10.0%
7:45 AM	2,417.39	604.35	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,935.56	4483.89	7.3%	17,935.56	4483.89	7.3%
8:00 AM	1,455.49	363.87	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,102.12	3275.53	5.3%	13,102.12	3275.53	5.3%
8:15 AM	816.89	204.22	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,482.12	2370.53	3.9%	9,482.12	2370.53	3.9%
8:30 AM	622.07	155.52	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,690.88	1672.72	2.7%	6,690.88	1672.72	2.7%
8:45 AM	607.78	151.95	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,353.43	1088.36	1.8%	4,353.43	1088.36	1.8%
9:00 AM	596.12	149.03	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,490.71	622.68	1.0%	2,490.71	622.68	1.0%
9:15 AM	587.16	146.79	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,051.29	262.82	0.4%	1,051.29	262.82	0.4%
9:30 AM	577.61	144.40	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	332.34	83.08	0.1%	332.34	83.08	0.1%
9:45 AM	569.57	142.39	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12.41	3.10	0.0%	12.41	3.10	0.0%
10:00 AM	561.73	140.43	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	554.57	138.64	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	547.04	136.76	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	540.35	135.09	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	533.16	133.29	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	526.51	131.63	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	519.32	129.83	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	513.01	128.25	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	505.34	126.34	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	499.28	124.82	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	491.47	122.87	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	484.93	121.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	476.61	119.15	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	480.70	120.17	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	483.83	120.96	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	489.22	122.31	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	492.08	123.02	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	497.03	124.26	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	499.86	124.96	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	504.42	126.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	507.25	126.81	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	511.41	127.85	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	514.72	128.68	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	519.01	129.75	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	522.63	130.66	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	540.25	135.06	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	562.92	140.73	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	587.23	146.81	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	616.34	154.08	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	650.53	162.63	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	690.96	172.74	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	739.33	184.83	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	798.79	199.70	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	875.66	218.91	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	3,717.60	929.40	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	10,912.28	2,728.07	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	24,006.62	6,001.66	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	42,745.98	12,823.79	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	126,639.92	22,795.19	51.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	38,190.09	1,145.70	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	48,124.72	1443.74	19.6%	48,124.72	1443.74	19.6%
7:00 AM	31,803.81	4,770.57	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	43,918.25	6587.74	17.9%	43,918.25	6587.74	17.9%
7:15 AM	11,736.32	2,934.08	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	32,903.90	8225.98	13.4%	32,903.90	8225.98	13.4%
7:30 AM	4,902.34	1,225.59	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	25,763.49	6440.87	10.5%	25,763.49	6440.87	10.5%
7:45 AM	2,628.57	657.14	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,961.11	4740.28	7.7%	18,961.11	4740.28	7.7%
8:00 AM	1,606.40	401.60	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,827.64	3456.91	5.6%	13,827.64	3456.91	5.6%
8:15 AM	900.31	225.08	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,112.54	2528.13	4.1%	10,112.54	2528.13	4.1%
8:30 AM	634.68	158.67	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,100.84	1775.21	2.9%	7,100.84	1775.21	2.9%
8:45 AM	614.29	153.57	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,678.92	1169.73	1.9%	4,678.92	1169.73	1.9%
9:00 AM	601.99	150.50	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,765.34	691.33	1.1%	2,765.34	691.33	1.1%
9:15 AM	592.75	148.19	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,234.18	308.54	0.5%	1,234.18	308.54	0.5%
9:30 AM	583.14	145.78	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	413.27	103.32	0.2%	413.27	103.32	0.2%
9:45 AM	574.68	143.67	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	32.01	8.00	0.0%	32.01	8.00	0.0%
10:00 AM	566.57	141.64	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	558.90	139.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	551.30	137.82	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	544.34	136.09	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	536.95	134.24	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	530.09	132.52	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	522.87	130.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	516.42	129.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	508.79	127.20	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	502.52	125.63	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	494.71	123.68	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	488.13	122.03	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	479.78	119.94	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	483.36	120.84	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	486.63	121.66	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	492.02	123.00	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	495.08	123.77	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	500.06	125.02	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	502.99	125.75	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	507.46	126.86	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	510.59	127.65	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	514.75	128.69	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	518.20	129.55	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	522.53	130.63	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	526.45	131.61	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	537.12	134.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	559.79	139.95	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	584.19	146.05	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	612.45	153.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	646.48	161.62	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	687.18	171.79	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	735.79	183.95	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	795.51	198.88	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	876.61	219.15	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	3,423.71	855.93	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	10,556.11	2,639.03	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	23,249.12	5,812.28	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	41,770.58	11,695.76	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	114,067.18	17,110.08	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	33,198.81	4,315.85	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	45,443.00	5907.59	18.5%	45,443.00	5907.59	18.5%
7:16 AM	13,581.31	3,259.52	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	33,273.50	7985.64	13.5%	33,273.50	7985.64	13.5%
7:30 AM	5,911.93	1,418.86	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	26,988.97	6477.35	11.0%	26,988.97	6477.35	11.0%
7:45 AM	2,871.84	717.96	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	20,116.71	5029.18	8.2%	20,116.71	5029.18	8.2%
8:00 AM	1,773.40	443.35	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,624.11	3656.03	6.0%	14,624.11	3656.03	6.0%
8:15 AM	1,009.19	252.30	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,691.21	2672.80	4.3%	10,691.21	2672.80	4.3%
8:30 AM	661.64	165.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,517.65	1879.41	3.1%	7,517.65	1879.41	3.1%
8:45 AM	622.68	155.67	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,010.37	1252.59	2.0%	5,010.37	1252.59	2.0%
9:00 AM	610.07	152.52	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,046.98	761.75	1.2%	3,046.98	761.75	1.2%
9:15 AM	600.35	150.09	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,451.22	362.81	0.6%	1,451.22	362.81	0.6%
9:30 AM	590.26	147.57	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	502.85	125.71	0.2%	502.85	125.71	0.2%
9:45 AM	581.19	145.30	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	59.45	14.86	0.0%	59.45	14.86	0.0%
10:00 AM	572.54	143.13	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	564.86	141.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	556.89	139.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	549.66	137.42	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	542.02	135.51	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	535.10	133.78	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	527.54	131.88	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	520.96	130.24	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	513.36	128.34	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	506.91	126.73	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	498.90	124.73	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	492.39	123.10	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	484.00	121.00	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	487.55	121.89	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	490.92	122.73	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	496.28	124.07	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	499.45	124.86	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	504.59	126.15	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	507.56	126.89	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	512.37	128.09	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	515.30	128.82	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	519.63	129.91	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	523.11	130.78	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	527.78	131.94	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	531.83	132.96	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	536.98	134.24	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	556.79	139.20	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	581.43	145.36	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	609.69	152.42	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	643.48	160.87	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	684.62	171.16	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	733.64	183.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	794.42	198.61	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	893.18	223.30	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	3,343.33	835.83	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	10,669.39	2,667.35	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	22,890.40	5,722.60	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	41,591.51	10,397.88	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	97,134.05	12,627.43	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	28,457.17	1,707.43	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	41,315.92	2478.96	16.8%	41,315.92	2478.96	16.8%
7:15 AM	18,577.77	3,529.78	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	35,209.48	6689.80	14.3%	35,209.48	6689.80	14.3%
7:30 AM	7,334.39	1,833.60	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	28,231.09	7057.77	11.5%	28,231.09	7057.77	11.5%
7:45 AM	3,167.19	791.80	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	21,424.79	5356.20	8.7%	21,424.79	5356.20	8.7%
8:00 AM	1,975.52	493.88	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,702.46	3925.62	6.4%	15,702.46	3925.62	6.4%
8:15 AM	1,149.16	287.29	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,243.35	2810.84	4.6%	11,243.35	2810.84	4.6%
8:30 AM	709.23	177.31	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,944.93	1986.23	3.2%	7,944.93	1986.23	3.2%
8:45 AM	634.27	158.57	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,359.89	1339.97	2.2%	5,359.89	1339.97	2.2%
9:00 AM	621.35	155.34	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,336.10	834.02	1.4%	3,336.10	834.02	1.4%
9:15 AM	609.83	152.46	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,686.03	421.51	0.7%	1,686.03	421.51	0.7%
9:30 AM	599.53	149.88	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	605.70	151.43	0.2%	605.70	151.43	0.2%
9:45 AM	589.68	147.42	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	98.01	24.50	0.0%	98.01	24.50	0.0%
10:00 AM	580.27	145.07	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	572.26	143.07	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	563.67	140.92	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	556.31	139.08	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	548.20	137.05	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	541.14	135.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	533.13	133.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	526.38	131.59	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	518.61	129.65	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	511.86	127.96	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	504.02	126.00	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	497.37	124.34	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	489.02	122.25	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	492.97	123.24	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	496.41	124.10	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	501.80	125.45	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	505.11	126.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	510.29	127.57	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	513.49	128.37	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	518.20	129.55	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	521.43	130.36	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	526.17	131.54	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	529.72	132.43	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	534.46	133.61	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	538.89	134.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	544.45	136.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	553.82	138.45	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	578.98	144.74	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	607.54	151.89	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	641.12	160.28	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	682.44	170.61	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	732.82	183.21	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	795.48	198.87	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	945.81	236.45	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	3,481.25	870.31	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	11,210.53	2,802.63	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	23,051.98	5,763.00	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	42,611.36	8,948.39	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	77,520.95	6,976.89	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	25,643.23	512.86	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	37,311.84	746.24	15.2%	37,311.84	746.24	15.2%
7:15 AM	22,674.48	3,401.17	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	35,820.12	5373.02	14.6%	35,820.12	5373.02	14.6%
7:30 AM	9,125.34	2,281.34	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	29,338.35	7334.59	11.9%	29,338.35	7334.59	11.9%
7:45 AM	3,666.67	916.67	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	22,643.76	5660.94	9.2%	22,643.76	5660.94	9.2%
8:00 AM	2,199.93	549.98	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,375.80	4093.95	6.7%	16,375.80	4093.95	6.7%
8:15 AM	1,312.86	328.21	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,722.69	2930.67	4.8%	11,722.69	2930.67	4.8%
8:30 AM	771.79	192.95	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,307.88	2076.97	3.4%	8,307.88	2076.97	3.4%
8:45 AM	648.59	162.15	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,662.74	1415.68	2.3%	5,662.74	1415.68	2.3%
9:00 AM	634.10	158.53	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,592.18	898.04	1.5%	3,592.18	898.04	1.5%
9:15 AM	621.28	155.32	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,912.96	478.24	0.8%	1,912.96	478.24	0.8%
9:30 AM	610.31	152.58	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	708.99	177.25	0.3%	708.99	177.25	0.3%
9:45 AM	599.77	149.94	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	139.46	34.87	0.1%	139.46	34.87	0.1%
10:00 AM	589.78	147.45	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	580.89	145.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	571.96	142.99	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	563.67	140.92	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	555.49	138.87	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	547.99	137.00	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	539.95	134.99	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	532.72	133.18	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	524.74	131.19	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	517.79	129.45	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	509.88	127.47	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	503.23	125.81	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	494.71	123.68	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	499.89	124.97	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	503.23	125.81	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	508.65	127.16	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	512.16	128.04	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	517.38	129.34	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	520.79	130.20	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	525.83	131.46	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	529.34	132.34	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	534.18	133.55	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	537.83	134.46	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	543.01	135.75	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	547.27	136.82	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	553.48	138.37	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	559.68	139.92	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	577.14	144.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	606.52	151.63	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	640.07	160.02	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	682.17	170.54	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	734.39	183.60	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	803.83	200.96	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	1,159.69	289.92	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	4,034.39	1,008.60	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	12,060.48	3,015.12	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	23,584.19	5,896.05	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	46,814.25	7,022.14	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	57,975.04	1,739.25	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	22,449.08	2,020.42	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	34,512.69	3106.14	14.0%	34,512.69	3106.14	14.0%
7:30 AM	11,536.15	2,422.59	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	30,060.91	6312.79	12.2%	30,060.91	6312.79	12.2%
7:45 AM	4,481.71	1,120.43	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23,629.15	5907.29	9.6%	23,629.15	5907.29	9.6%
8:00 AM	2,457.51	614.38	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,939.94	4234.99	6.9%	16,939.94	4234.99	6.9%
8:15 AM	1,494.76	373.69	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,124.12	3031.03	4.9%	12,124.12	3031.03	4.9%
8:30 AM	858.24	214.56	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,609.23	2152.31	3.5%	8,609.23	2152.31	3.5%
8:45 AM	664.95	166.24	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,923.01	1480.75	2.4%	5,923.01	1480.75	2.4%
9:00 AM	648.96	162.24	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,816.66	954.16	1.6%	3,816.66	954.16	1.6%
9:15 AM	635.12	158.78	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,123.81	530.95	0.9%	2,123.81	530.95	0.9%
9:30 AM	622.48	155.62	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	815.08	203.77	0.3%	815.08	203.77	0.3%
9:45 AM	611.19	152.80	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	182.52	45.63	0.1%	182.52	45.63	0.1%
10:00 AM	600.35	150.09	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	590.70	147.68	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	580.96	145.24	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	572.43	143.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	563.77	140.94	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	556.04	139.01	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	547.34	136.84	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	540.01	135.00	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	531.63	132.91	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	524.54	131.13	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	516.49	129.12	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	509.67	127.42	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	502.21	125.55	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	507.94	126.98	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	511.41	127.85	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	516.87	129.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	520.62	130.15	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	525.90	131.48	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	529.68	132.42	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	535.00	133.75	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	538.65	134.66	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	543.80	135.95	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	547.82	136.96	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	553.31	138.33	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	558.12	139.53	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	564.46	141.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	571.31	142.83	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	579.90	144.97	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	606.56	151.64	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	640.82	160.20	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	683.94	170.98	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	738.41	184.60	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	849.38	212.34	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	1,746.99	436.75	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	4,980.54	1,245.14	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	12,996.88	4,418.94	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	42,158.79	8,853.35	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	19,195.10	767.80	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	32,436.78	1297.47	13.2%	32,436.78	1297.47	13.2%
7:30 AM	14,715.95	2,501.71	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	30,280.14	5147.62	12.3%	30,280.14	5147.62	12.3%
7:45 AM	5,589.89	1,397.47	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23,865.56	5966.39	9.7%	23,865.56	5966.39	9.7%
8:00 AM	2,765.07	691.27	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,385.46	4346.36	7.1%	17,385.46	4346.36	7.1%
8:15 AM	1,697.69	424.42	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,433.35	3108.34	5.1%	12,433.35	3108.34	5.1%
8:30 AM	964.80	241.20	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,843.90	2210.97	3.6%	8,843.90	2210.97	3.6%
8:45 AM	688.17	172.04	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,134.43	1533.61	2.5%	6,134.43	1533.61	2.5%
9:00 AM	666.11	166.53	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,009.26	1002.32	1.6%	4,009.26	1002.32	1.6%
9:15 AM	650.87	162.72	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,311.50	577.88	0.9%	2,311.50	577.88	0.9%
9:30 AM	636.56	159.14	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	951.23	237.81	0.4%	951.23	237.81	0.4%
9:45 AM	624.04	156.01	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	227.00	56.75	0.1%	227.00	56.75	0.1%
10:00 AM	612.15	153.04	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	601.89	150.47	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	591.63	147.91	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	582.39	145.60	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	572.91	143.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	564.69	141.17	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	555.80	138.95	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	548.06	137.01	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	539.37	134.84	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	532.10	133.03	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	523.89	130.97	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	517.07	129.27	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	511.58	127.90	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	517.21	129.30	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	520.79	130.20	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	526.34	131.59	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	530.20	132.55	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	535.82	133.96	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	539.91	134.98	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	545.33	136.33	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	549.46	137.36	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	555.15	138.79	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	559.48	139.87	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	565.58	141.40	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	570.49	142.62	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	577.31	144.33	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	584.60	146.15	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	594.69	148.67	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	607.44	151.86	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	643.54	160.89	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	686.87	171.72	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	747.38	186.84	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	1,075.25	268.81	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	2,835.05	708.76	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,353.02	1,588.25	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,425.71	3,894.94	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	30,175.45	4,224.56	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	16,405.15	1,804.57	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	28,115.66	3092.72	11.4%	28,115.66	3092.72	11.4%
7:45 AM	7,095.15	1,631.88	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23,242.68	5345.82	9.5%	23,242.68	5345.82	9.5%
8:00 AM	3,104.70	776.18	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,420.71	4355.18	7.1%	17,420.71	4355.18	7.1%
8:15 AM	1,896.40	474.10	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,469.76	3117.44	5.1%	12,469.76	3117.44	5.1%
8:30 AM	1,082.38	270.59	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,915.55	2228.89	3.6%	8,915.55	2228.89	3.6%
8:45 AM	722.70	180.67	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,224.29	1556.07	2.5%	6,224.29	1556.07	2.5%
9:00 AM	685.41	171.35	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,122.23	1030.56	1.7%	4,122.23	1030.56	1.7%
9:15 AM	667.99	167.00	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,433.72	608.43	1.0%	2,433.72	608.43	1.0%
9:30 AM	652.10	163.02	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,070.51	267.63	0.4%	1,070.51	267.63	0.4%
9:45 AM	638.12	159.53	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	262.28	65.57	0.1%	262.28	65.57	0.1%
10:00 AM	625.10	156.28	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	614.09	153.52	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	602.84	150.71	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	593.02	148.26	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	582.90	145.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	574.17	143.54	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	564.90	141.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	556.82	139.20	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	547.72	136.93	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	540.22	135.05	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	532.04	133.01	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	524.91	131.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	522.22	130.55	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	527.61	131.90	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	531.32	132.83	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	537.01	134.25	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	541.31	135.33	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	547.07	136.77	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	551.47	137.87	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	557.23	139.31	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	561.90	140.47	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	568.07	142.02	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	573.18	143.30	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	579.52	144.88	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	585.59	146.40	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	593.13	148.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	600.80	150.20	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	611.57	152.89	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	624.83	156.21	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	649.10	162.27	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	694.44	173.61	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	815.08	203.77	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	1,900.01	475.00	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,416.46	1,104.12	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	8,447.58	2,111.89	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	16,367.00	3,109.73	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	22,575.92	1,354.56	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	13,942.63	836.56	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23,364.99	1401.90	9.5%	23,364.99	1401.90	9.5%
7:45 AM	8,820.31	1,675.86	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	21,567.59	4097.84	8.8%	21,567.59	4097.84	8.8%
8:00 AM	3,562.93	890.73	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,067.57	4266.89	6.9%	17,067.57	4266.89	6.9%
8:15 AM	2,115.94	528.98	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,305.68	3076.42	5.0%	12,305.68	3076.42	5.0%
8:30 AM	1,220.68	305.17	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,864.66	2216.16	3.6%	8,864.66	2216.16	3.6%
8:45 AM	768.69	192.17	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,231.42	1557.85	2.5%	6,231.42	1557.85	2.5%
9:00 AM	706.51	176.63	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,175.35	1043.84	1.7%	4,175.35	1043.84	1.7%
9:15 AM	687.11	171.78	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,517.06	629.27	1.0%	2,517.06	629.27	1.0%
9:30 AM	669.01	167.25	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,170.53	292.63	0.5%	1,170.53	292.63	0.5%
9:45 AM	653.87	163.47	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	297.33	74.33	0.1%	297.33	74.33	0.1%
10:00 AM	639.93	159.98	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	627.35	156.84	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	615.08	153.77	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	604.68	151.17	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	593.88	148.47	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	584.64	146.16	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	574.68	143.67	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	566.13	141.53	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	556.96	139.24	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	549.15	137.29	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	540.73	135.18	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	533.71	133.43	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	533.74	133.44	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	539.09	134.77	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	543.01	135.75	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	548.91	137.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	553.41	138.35	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	559.62	139.90	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	564.49	141.12	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	570.83	142.71	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	576.01	144.00	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	582.76	145.69	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	588.86	147.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	596.02	149.01	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	602.91	150.73	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	611.70	152.93	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	620.53	155.13	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	632.16	158.04	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	646.48	161.62	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	667.07	166.77	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	718.85	179.71	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	1,217.10	304.27	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,375.88	843.97	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,604.87	1,651.22	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	11,430.81	2,629.09	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	18,249.56	2,007.45	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	13,338.15	1,733.96	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	19,157.02	2490.41	7.8%	19,157.02	2490.41	7.8%
8:00 AM	4,402.93	1,100.73	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,135.81	4033.95	6.6%	16,135.81	4033.95	6.6%
8:15 AM	2,364.21	591.05	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,890.61	2972.65	4.8%	11,890.61	2972.65	4.8%
8:30 AM	1,378.92	344.73	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,657.33	2164.33	3.5%	8,657.33	2164.33	3.5%
8:45 AM	828.99	207.25	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,131.50	1532.88	2.5%	6,131.50	1532.88	2.5%
9:00 AM	730.88	182.72	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,150.56	1037.64	1.7%	4,150.56	1037.64	1.7%
9:15 AM	707.97	176.99	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,551.29	637.82	1.0%	2,551.29	637.82	1.0%
9:30 AM	687.59	171.90	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,248.32	312.08	0.5%	1,248.32	312.08	0.5%
9:45 AM	670.78	167.70	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	332.58	83.14	0.1%	332.58	83.14	0.1%
10:00 AM	655.10	163.77	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4.16	1.04	0.0%	4.16	1.04	0.0%
10:15 AM	641.63	160.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	628.37	157.09	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	617.02	154.26	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	605.53	151.38	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	595.95	148.99	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	585.52	146.38	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	576.42	144.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	566.88	141.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	558.73	139.68	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	550.51	137.63	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	543.29	135.82	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	546.18	136.55	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	551.37	137.84	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	555.73	138.93	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	562.07	140.52	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	566.94	141.74	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	573.56	143.39	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	578.81	144.70	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	585.69	146.42	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	591.56	147.89	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	599.26	149.82	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	605.94	151.49	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	614.57	153.64	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	622.48	155.62	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	632.91	158.23	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	643.54	160.89	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	657.21	164.30	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	672.66	168.16	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	695.70	173.93	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	882.03	220.51	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	2,488.70	622.18	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,392.92	1,348.23	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	9,671.73	2,611.37	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	16,854.21	2,359.59	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	16,663.96	1,333.12	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,296.20	1303.70	6.6%	16,296.20	1303.70	6.6%
8:00 AM	8,742.08	1,835.84	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,966.44	3142.95	6.1%	14,966.44	3142.95	6.1%
8:15 AM	4,761.52	1,190.38	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,307.95	2826.99	4.6%	11,307.95	2826.99	4.6%
8:30 AM	2,941.21	735.30	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,292.26	2073.07	3.4%	8,292.26	2073.07	3.4%
8:45 AM	1,828.73	457.18	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,915.89	1478.97	2.4%	5,915.89	1478.97	2.4%
9:00 AM	1,239.67	309.92	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,032.65	1008.16	1.6%	4,032.65	1008.16	1.6%
9:15 AM	979.84	244.96	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,524.15	631.04	1.0%	2,524.15	631.04	1.0%
9:30 AM	802.40	200.60	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,289.60	322.40	0.5%	1,289.60	322.40	0.5%
9:45 AM	714.42	178.60	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	366.29	91.57	0.1%	366.29	91.57	0.1%
10:00 AM	671.74	167.93	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6.34	1.59	0.0%	6.34	1.59	0.0%
10:15 AM	656.97	164.24	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	642.73	160.68	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	630.49	157.62	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	618.42	154.60	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	607.58	151.89	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	596.74	149.18	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	587.33	146.83	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	577.21	144.30	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	569.23	142.31	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	560.98	140.24	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	556.34	139.09	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	559.75	139.94	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	565.04	141.26	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	569.71	142.43	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	576.46	144.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	581.50	145.38	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	588.90	147.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	594.59	148.65	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	602.33	150.58	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	609.01	152.25	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	617.40	154.35	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	625.27	156.32	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	635.29	158.82	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	644.87	161.22	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	657.42	164.35	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	670.37	167.59	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	686.91	171.73	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	705.62	176.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	779.25	194.81	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	1,750.91	437.73	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	4,409.71	1,102.43	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	8,216.38	2,054.10	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	13,754.93	2,475.89	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	16,720.10	836.01	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	20,394.06	407.88	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,412.52	288.25	5.9%	14,412.52	288.25	5.9%
8:00 AM	16,923.68	2,538.55	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,059.86	2108.98	5.7%	14,059.86	2108.98	5.7%
8:15 AM	9,273.29	2,318.32	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,078.91	2769.73	4.5%	11,078.91	2769.73	4.5%
8:30 AM	5,745.65	1,436.41	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,164.90	2041.23	3.3%	8,164.90	2041.23	3.3%
8:45 AM	3,588.02	897.01	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,846.75	1461.69	2.4%	5,846.75	1461.69	2.4%
9:00 AM	2,335.64	583.91	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,994.13	998.53	1.6%	3,994.13	998.53	1.6%
9:15 AM	1,705.70	426.43	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,520.00	630.00	1.0%	2,520.00	630.00	1.0%
9:30 AM	1,285.14	321.29	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,325.19	331.30	0.5%	1,325.19	331.30	0.5%
9:45 AM	1,022.38	255.59	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	401.64	100.41	0.2%	401.64	100.41	0.2%
10:00 AM	833.08	208.27	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8.80	2.20	0.0%	8.80	2.20	0.0%
10:15 AM	717.59	179.40	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	657.96	164.49	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	644.80	161.20	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	631.65	157.91	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	620.43	155.11	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	608.64	152.16	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	598.75	149.69	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	588.39	147.10	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	580.55	145.14	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	571.96	142.99	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	570.52	142.63	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	573.86	143.47	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	579.69	144.92	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	584.67	146.17	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	591.69	147.92	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	597.59	149.40	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	605.30	151.32	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	611.94	152.99	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	620.43	155.11	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	628.00	157.00	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	637.58	159.39	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	646.78	161.70	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	658.54	164.64	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	670.30	167.58	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	685.27	171.32	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	701.19	175.30	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	721.64	180.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	757.54	189.38	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	1,210.01	302.50	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,432.23	858.06	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,936.39	1,734.10	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	12,101.73	2,541.36	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	16,656.05	1,332.48	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	22,899.09	2,289.91	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,512.13	1251.21	5.1%	12,512.13	1251.21	5.1%
8:15 AM	14,649.71	3,222.94	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,702.05	2354.45	4.4%	10,702.05	2354.45	4.4%
8:30 AM	9,300.50	2,325.12	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,990.57	1997.64	3.3%	7,990.57	1997.64	3.3%
8:45 AM	6,077.51	1,519.38	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,768.55	1442.14	2.3%	5,768.55	1442.14	2.3%
9:00 AM	3,981.86	995.46	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,971.56	992.89	1.6%	3,971.56	992.89	1.6%
9:15 AM	2,746.35	686.59	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,526.85	631.71	1.0%	2,526.85	631.71	1.0%
9:30 AM	1,903.66	475.92	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,365.45	341.36	0.6%	1,365.45	341.36	0.6%
9:45 AM	1,404.86	351.22	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	439.86	109.96	0.2%	439.86	109.96	0.2%
10:00 AM	1,042.29	260.57	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10.67	2.67	0.0%	10.67	2.67	0.0%
10:15 AM	803.70	200.92	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	674.09	168.52	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	659.94	164.99	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	645.69	161.42	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	633.86	158.47	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	621.49	155.37	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	611.02	152.76	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	600.45	150.11	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	592.55	148.14	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	583.95	145.99	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	585.83	146.46	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	589.44	147.36	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	595.48	148.87	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	600.86	150.22	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	608.33	152.08	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	614.74	153.68	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	623.19	155.80	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	630.56	157.64	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	639.69	159.92	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	648.45	162.11	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	659.74	164.93	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	670.58	167.64	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	684.25	171.06	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	698.46	174.62	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	716.73	179.18	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	736.47	184.12	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	763.23	190.81	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	957.68	239.42	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	2,595.68	648.92	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,631.34	1,407.84	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	10,253.26	2,358.25	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	16,444.56	1,808.90	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	25,500.22	1,020.01	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,617.10	424.68	4.3%	10,617.10	424.68	4.3%
8:15 AM	20,655.87	3,511.50	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,062.73	1710.66	4.1%	10,062.73	1710.66	4.1%
8:30 AM	13,367.47	3,341.87	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,701.29	1925.32	3.1%	7,701.29	1925.32	3.1%
8:45 AM	8,864.83	2,216.21	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,642.59	1410.65	2.3%	5,642.59	1410.65	2.3%
9:00 AM	5,804.59	1,451.15	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,929.39	982.35	1.6%	3,929.39	982.35	1.6%
9:15 AM	4,047.79	1,011.95	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,522.93	630.73	1.0%	2,522.93	630.73	1.0%
9:30 AM	2,863.59	715.90	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,402.99	350.75	0.6%	1,402.99	350.75	0.6%
9:45 AM	2,064.05	516.01	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	493.48	123.37	0.2%	493.48	123.37	0.2%
10:00 AM	1,420.27	355.07	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14.49	3.62	0.0%	14.49	3.62	0.0%
10:15 AM	980.55	245.14	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	708.93	177.23	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	675.93	168.98	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	660.89	165.22	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	648.21	162.05	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	634.99	158.75	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	624.28	156.07	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	613.31	153.33	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	605.53	151.38	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	596.91	149.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	601.24	150.31	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	604.55	151.14	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	611.47	152.87	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	617.81	154.45	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	625.92	156.48	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	632.87	158.22	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	641.91	160.48	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	650.26	162.56	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	660.62	165.16	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	670.78	167.70	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	683.67	170.92	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	696.35	174.09	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	712.64	178.16	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	729.76	182.44	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	751.74	187.94	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	776.36	194.09	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	858.24	214.56	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	1,843.53	460.88	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,489.82	1,122.46	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	8,402.61	2,268.71	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	15,753.15	2,205.44	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	28,046.53	3,365.58	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,791.30	1054.96	3.6%	8,791.30	1054.96	3.6%
8:30 AM	17,829.00	4,278.96	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,235.15	1736.44	2.9%	7,235.15	1736.44	2.9%
8:45 AM	11,681.17	2,920.29	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,458.17	1364.54	2.2%	5,458.17	1364.54	2.2%
9:00 AM	7,898.46	1,974.62	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,863.46	965.87	1.6%	3,863.46	965.87	1.6%
9:15 AM	5,488.07	1,372.02	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,515.73	628.93	1.0%	2,515.73	628.93	1.0%
9:30 AM	3,790.65	947.66	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,439.50	359.87	0.6%	1,439.50	359.87	0.6%
9:45 AM	2,710.93	677.73	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	551.26	137.82	0.2%	551.26	137.82	0.2%
10:00 AM	1,907.72	476.93	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23.32	5.83	0.0%	23.32	5.83	0.0%
10:15 AM	1,340.88	335.22	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	905.15	226.29	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	788.93	197.23	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	720.89	180.22	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	678.04	169.51	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	649.58	162.39	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	638.16	159.54	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	626.91	156.73	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	619.31	154.83	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	613.27	153.32	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	617.81	154.45	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	621.62	155.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	628.95	157.24	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	635.36	158.84	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	644.09	161.02	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	651.79	162.95	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	661.85	165.46	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	671.05	167.76	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	682.92	170.73	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	694.58	173.64	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	709.10	177.27	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	724.16	181.04	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	743.22	185.81	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	763.88	190.97	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	790.57	197.64	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	830.39	207.60	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	1,262.13	315.53	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,386.04	846.51	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,766.01	1,691.50	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	11,808.18	2,243.56	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	15,095.50	905.73	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	30,766.22	1,845.97	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,975.18	418.51	2.8%	6,975.18	418.51	2.8%
8:30 AM	24,637.04	4,434.67	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,491.86	1168.54	2.6%	6,491.86	1168.54	2.6%
8:45 AM	15,493.70	3,873.42	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,157.36	1289.34	2.1%	5,157.36	1289.34	2.1%
9:00 AM	9,987.91	2,496.98	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,750.22	937.55	1.5%	3,750.22	937.55	1.5%
9:15 AM	7,004.57	1,751.14	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,498.93	624.73	1.0%	2,498.93	624.73	1.0%
9:30 AM	4,864.84	1,216.21	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,466.67	366.67	0.6%	1,466.67	366.67	0.6%
9:45 AM	3,430.15	857.54	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	612.08	153.02	0.2%	612.08	153.02	0.2%
10:00 AM	2,356.23	589.06	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	41.93	10.48	0.0%	41.93	10.48	0.0%
10:15 AM	1,593.51	398.38	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,044.27	261.07	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	904.43	226.11	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	876.17	219.04	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	837.96	209.49	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	775.84	193.96	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	733.54	183.38	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	683.60	170.90	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	654.83	163.71	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	634.78	158.70	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	634.27	158.57	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	638.84	159.71	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	646.61	161.65	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	653.74	163.43	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	662.80	165.70	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	671.33	167.83	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	682.44	170.61	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	692.84	173.21	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	706.17	176.54	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	719.12	179.78	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	736.10	184.02	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	753.35	188.34	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	775.95	193.99	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	800.49	200.12	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	832.30	208.07	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	973.50	243.37	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,371.71	592.93	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,192.00	1,298.00	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	8,988.03	1,977.37	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	14,454.62	1,445.46	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	33,374.20	4,338.65	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,453.33	708.93	2.2%	5,453.33	708.93	2.2%
7:45 AM	21,475.69	5,368.92	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,673.39	1168.35	1.9%	4,673.39	1168.35	1.9%
8:00 AM	13,262.99	3,315.75	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,559.04	889.76	1.4%	3,559.04	889.76	1.4%
8:15 AM	8,547.22	2,136.81	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,448.10	612.03	1.0%	2,448.10	612.03	1.0%
8:30 AM	5,951.58	1,487.90	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,482.41	370.60	0.6%	1,482.41	370.60	0.6%
8:45 AM	4,177.84	1,044.46	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	678.11	169.53	0.3%	678.11	169.53	0.3%
9:00 AM	2,870.23	717.56	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	77.42	19.35	0.0%	77.42	19.35	0.0%
9:15 AM	1,904.68	476.17	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,174.01	293.50	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	938.93	234.73	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	909.48	227.37	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	888.20	222.05	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	867.27	216.82	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	850.84	212.71	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	823.16	205.79	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	802.30	200.57	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	764.90	191.23	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	751.23	187.81	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	728.19	182.05	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	725.53	181.38	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	711.48	177.87	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	716.26	179.06	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	709.85	177.46	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	722.12	180.53	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	726.04	181.51	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	750.28	187.57	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	764.49	191.12	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	801.65	200.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	828.92	207.23	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	892.29	223.07	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	962.31	240.58	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,090.83	272.71	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,602.41	400.60	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,914.50	978.62	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	7,384.43	1,846.11	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,474.29	1,871.14	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	13,843.16	415.29	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	35,505.68	2,485.40	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,307.65	301.54	1.8%	4,307.65	301.54	1.8%
7:45 AM	28,233.24	5,364.32	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,987.79	757.68	1.6%	3,987.79	757.68	1.6%
8:00 AM	18,186.90	4,546.73	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,245.56	811.39	1.3%	3,245.56	811.39	1.3%
8:15 AM	11,322.07	2,830.52	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,334.11	583.53	0.9%	2,334.11	583.53	0.9%
8:30 AM	7,111.07	1,777.77	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,471.95	367.99	0.6%	1,471.95	367.99	0.6%
8:45 AM	4,923.17	1,230.79	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	731.18	182.80	0.3%	731.18	182.80	0.3%
9:00 AM	3,368.18	842.04	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	137.86	34.46	0.1%	137.86	34.46	0.1%
9:15 AM	2,218.24	554.56	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,324.38	331.09	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	971.35	242.84	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	940.91	235.23	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	918.24	229.56	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	896.15	224.04	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	879.51	219.88	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	863.62	215.91	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	854.93	213.73	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	850.91	212.73	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	853.77	213.44	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	857.11	214.28	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	864.34	216.09	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	862.91	215.73	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	875.18	218.80	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	878.15	219.54	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	903.20	225.80	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	916.67	229.17	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	952.73	238.18	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	977.14	244.29	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,003.26	250.81	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,035.47	258.87	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,076.21	269.05	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,118.92	279.73	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,265.61	316.40	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,579.45	644.86	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,415.49	1,353.87	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	9,474.97	1,989.74	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	13,325.95	1,199.34	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	37,239.71	372.40	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,441.37	34.41	1.4%	3,441.37	34.41	1.4%
7:45 AM	36,094.27	4,692.26	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,408.30	443.08	1.4%	3,408.30	443.08	1.4%
8:00 AM	24,281.04	6,070.26	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,845.52	711.38	1.2%	2,845.52	711.38	1.2%
8:15 AM	15,304.09	3,826.02	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,132.19	533.05	0.9%	2,132.19	533.05	0.9%
8:30 AM	9,471.52	2,367.88	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,433.16	358.29	0.6%	1,433.16	358.29	0.6%
8:45 AM	5,886.37	1,471.59	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	765.72	191.43	0.3%	765.72	191.43	0.3%
9:00 AM	3,888.04	972.01	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	213.30	53.32	0.1%	213.30	53.32	0.1%
9:15 AM	2,533.57	633.39	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,487.09	371.77	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,002.78	250.69	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	971.79	242.95	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	947.31	236.83	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	923.86	230.97	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	907.19	226.80	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	892.09	223.02	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	883.57	220.89	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	879.27	219.82	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	882.72	220.68	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	886.67	221.67	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	896.69	224.17	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	906.07	226.52	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	921.30	230.33	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	936.24	234.06	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	956.96	239.24	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	971.55	242.89	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	992.89	248.22	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,018.25	254.56	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,045.97	261.49	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,080.84	270.21	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,133.27	283.32	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,190.44	297.61	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,605.04	401.26	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,601.11	900.28	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,914.74	1,728.69	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	11,502.91	1,725.44	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	12,850.64	385.52	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	38,738.29	3,099.06	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,786.44	222.92	1.1%	2,786.44	222.92	1.1%
8:00 AM	30,685.13	6,137.03	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,530.32	506.06	1.0%	2,530.32	506.06	1.0%
8:15 AM	20,198.76	5,049.69	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,888.25	472.06	0.8%	1,888.25	472.06	0.8%
8:30 AM	12,632.91	3,158.23	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,329.11	332.28	0.5%	1,329.11	332.28	0.5%
8:45 AM	7,905.28	1,976.32	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	769.50	192.38	0.3%	769.50	192.38	0.3%
9:00 AM	4,689.96	1,172.49	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	278.58	69.64	0.1%	278.58	69.64	0.1%
9:15 AM	2,890.82	722.71	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,678.12	419.53	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,031.86	257.96	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,000.29	250.07	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	977.04	244.26	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	952.53	238.13	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	935.62	233.91	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	919.50	229.87	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	910.67	227.67	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	906.07	226.52	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	909.44	227.36	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	913.87	228.47	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	924.71	231.18	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	934.91	233.73	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	951.75	237.94	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	967.53	241.88	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	987.57	246.89	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,002.40	250.60	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,029.88	257.47	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,053.06	263.27	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,083.09	270.77	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,130.10	282.53	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,183.28	295.82	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,292.85	323.21	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,150.81	537.70	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,509.56	1,127.39	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,213.79	1,889.17	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	12,419.10	1,366.10	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	39,924.73	798.49	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,300.26	46.01	0.9%	2,300.26	46.01	0.9%
8:00 AM	37,818.31	5,672.75	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,254.51	338.18	0.9%	2,254.51	338.18	0.9%
8:15 AM	25,728.62	6,432.15	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,727.59	431.90	0.7%	1,727.59	431.90	0.7%
8:30 AM	16,416.81	4,104.20	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,202.85	300.71	0.5%	1,202.85	300.71	0.5%
8:45 AM	10,453.95	2,613.49	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	737.18	184.30	0.3%	737.18	184.30	0.3%
9:00 AM	6,289.75	1,572.44	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	325.45	81.36	0.1%	325.45	81.36	0.1%
9:15 AM	3,622.14	905.54	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9.24	2.31	0.0%	9.24	2.31	0.0%
9:30 AM	1,926.47	481.62	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,092.09	273.02	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,030.39	257.60	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,005.78	251.44	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	980.48	245.12	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	962.25	240.56	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	945.17	236.29	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	935.66	233.91	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	930.58	232.64	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	934.33	233.58	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	938.08	234.52	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	948.58	237.14	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	960.34	240.08	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	978.75	244.69	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	994.53	248.63	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,012.36	253.09	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,031.00	257.75	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,059.84	264.96	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,078.73	269.68	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,118.78	279.70	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,171.15	292.79	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,224.56	306.14	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,404.59	351.15	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,603.48	650.87	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,216.13	1,304.03	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	9,067.26	1,813.45	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	12,434.61	994.77	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	40,950.18	3,685.52	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,950.60	175.55	0.8%	1,950.60	175.55	0.8%
8:15 AM	31,401.14	6,594.24	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,636.57	343.68	0.7%	1,636.57	343.68	0.7%
8:30 AM	20,497.66	5,124.41	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,134.94	283.74	0.5%	1,134.94	283.74	0.5%
8:45 AM	13,349.71	3,337.43	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	691.30	172.83	0.3%	691.30	172.83	0.3%
9:00 AM	8,218.80	2,054.70	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	345.50	86.37	0.1%	345.50	86.37	0.1%
9:15 AM	4,875.51	1,218.88	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	56.55	14.14	0.0%	56.55	14.14	0.0%
9:30 AM	2,501.56	625.39	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,233.19	308.30	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,058.92	264.73	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,032.10	258.02	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,006.05	251.51	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	986.89	246.72	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	967.77	241.94	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	957.75	239.44	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	951.68	237.92	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	954.34	238.58	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	957.06	239.27	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	968.18	242.04	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	981.03	245.26	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	999.61	249.90	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,014.64	253.66	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,033.22	258.31	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,054.19	263.55	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,080.64	270.16	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,099.35	274.84	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,146.53	286.63	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,200.39	300.10	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,256.68	314.17	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,495.47	373.87	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,874.22	718.56	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,607.89	1,401.97	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	10,068.36	1,812.30	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	13,535.29	676.76	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	41,694.90	1,667.80	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,714.02	68.56	0.7%	1,714.02	68.56	0.7%
8:15 AM	37,044.21	6,297.52	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,607.05	273.20	0.7%	1,607.05	273.20	0.7%
8:30 AM	24,667.11	6,166.78	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,120.21	280.05	0.5%	1,120.21	280.05	0.5%
8:45 AM	16,334.69	4,083.67	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	685.20	171.30	0.3%	685.20	171.30	0.3%
9:00 AM	10,323.11	2,580.78	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	350.34	87.58	0.1%	350.34	87.58	0.1%
9:15 AM	6,273.56	1,568.39	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	95.18	23.79	0.0%	95.18	23.79	0.0%
9:30 AM	3,401.62	850.40	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,642.50	410.63	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,082.65	270.66	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,054.76	263.69	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,028.11	257.03	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,007.38	251.85	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	986.31	246.58	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	975.71	243.93	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	968.04	242.01	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	970.29	242.57	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	972.98	243.25	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	983.96	245.99	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	996.13	249.03	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,014.57	253.64	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,028.79	257.20	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,047.09	261.77	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,068.16	267.04	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,093.35	273.34	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,113.53	278.38	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,163.85	290.96	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,218.91	304.73	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,277.33	319.33	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,533.45	383.36	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,925.97	731.49	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,686.98	1,421.74	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	11,125.51	1,891.34	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	14,533.30	726.66	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	42,149.38	5,057.93	17.1%	423.53	50.82	0.2%	423.53	50.82	0.2%	0.00	0.00	0.0%	1,998.87	239.86	0.8%	1,998.87	239.86	0.8%
8:30 AM	28,935.31	7,233.83	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,156.72	289.18	0.5%	1,156.72	289.18	0.5%
8:45 AM	19,167.69	4,791.92	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	719.22	179.80	0.3%	719.22	179.80	0.3%
9:00 AM	12,339.44	3,084.86	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	379.14	94.79	0.2%	379.14	94.79	0.2%
9:15 AM	7,740.90	1,935.23	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	126.61	31.65	0.1%	126.61	31.65	0.1%
9:30 AM	4,340.27	1,085.07	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,212.10	553.03	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,178.13	294.53	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,070.85	267.71	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,043.48	260.87	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,022.14	255.54	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,000.32	250.08	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	988.60	247.15	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	979.22	244.81	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	979.73	244.93	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	982.15	245.54	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	992.31	248.08	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,004.21	251.05	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,022.45	255.61	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,035.64	258.91	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,052.92	263.23	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,073.85	268.46	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,099.39	274.85	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,120.01	280.00	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,169.34	292.33	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,225.35	306.34	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,282.24	320.56	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,504.64	376.16	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,749.05	687.26	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,472.08	1,368.02	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	11,105.74	1,999.03	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	15,195.11	911.71	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	42,315.33	3,385.23	17.2%	1,217.27	97.38	0.5%	1,217.27	97.38	0.5%	0.00	0.00	0.0%	2,741.51	219.32	1.1%	2,741.51	219.32	1.1%
8:30 AM	32,578.69	6,841.53	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,238.54	260.09	0.5%	1,238.54	260.09	0.5%
8:45 AM	21,574.34	5,393.59	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	789.00	197.25	0.3%	789.00	197.25	0.3%
9:00 AM	14,049.26	3,512.32	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	434.91	108.73	0.2%	434.91	108.73	0.2%
9:15 AM	8,956.84	2,239.21	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	163.56	40.89	0.1%	163.56	40.89	0.1%
9:30 AM	5,155.63	1,288.91	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6.89	1.72	0.0%	6.89	1.72	0.0%
9:45 AM	2,756.58	689.14	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,334.98	333.75	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,085.04	271.26	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,052.96	263.24	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,031.07	257.77	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,008.37	252.09	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	995.11	248.78	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	983.99	246.00	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	983.79	245.95	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	985.43	246.36	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	994.22	248.56	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,005.30	251.33	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,023.13	255.78	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,036.15	259.04	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,052.38	263.09	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,072.25	268.06	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,098.67	274.67	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,118.92	279.73	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,163.10	290.78	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,221.05	305.26	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,273.65	318.41	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,424.91	356.23	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,411.29	602.82	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,891.53	1,222.88	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	10,124.68	2,126.18	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	15,448.77	1,235.90	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F2: MARGARET HAYWARD PLAYGROUND DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	114,197.68	12,561.74	52.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	88,582.16	20,373.90	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	73,809.43	18,452.36	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	63,296.96	15,824.24	28.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	54,981.46	13,745.36	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	48,576.04	12,144.01	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	43,197.55	10,799.39	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	39,213.09	9,803.27	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	36,524.02	9,131.00	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	34,525.26	8,631.31	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	32,844.75	8,211.19	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	31,459.36	7,864.84	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,239.93	7,559.98	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,161.54	7,290.38	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,284.51	7,071.13	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	27,795.50	6,948.88	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,326.73	6,831.68	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	26,858.34	6,714.58	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,414.67	6,603.67	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	25,983.62	6,495.91	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	25,563.63	6,390.91	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,160.61	6,290.15	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	24,745.55	6,186.39	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,319.13	6,079.78	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	23,902.27	5,975.57	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,495.68	5,873.92	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,586.00	5,896.50	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,643.14	5,910.79	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,732.36	5,933.09	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,795.74	5,948.93	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,910.40	5,977.60	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,036.74	6,009.18	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,207.05	6,051.76	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,381.15	6,095.29	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,565.78	6,141.45	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,726.57	6,181.64	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,892.54	6,223.13	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,188.64	6,297.16	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,921.95	6,480.49	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,754.66	6,688.66	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,589.43	6,897.36	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	28,654.26	7,163.56	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,836.20	7,459.05	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	31,296.53	7,824.13	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	33,197.29	8,299.32	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	35,403.34	8,850.83	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,963.87	9,490.97	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	41,132.19	10,283.05	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	45,793.29	11,448.32	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	52,720.88	13,180.22	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	62,394.80	18,718.44	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	87,130.74	15,683.53	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	113,725.68	11,372.57	51.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	91,015.06	20,023.31	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	75,414.63	18,853.66	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	64,331.78	16,082.95	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	55,859.57	13,964.89	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	49,240.81	12,310.20	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	43,744.08	10,936.02	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	39,602.23	9,900.56	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	36,783.25	9,195.81	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	34,737.62	8,684.40	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,031.46	8,257.87	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	31,613.72	7,903.43	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,377.53	7,594.38	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,282.97	7,320.74	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,363.80	7,090.95	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	27,855.10	6,963.77	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,384.32	6,846.08	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	26,914.60	6,728.65	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,468.55	6,617.14	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,035.02	6,508.76	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	25,611.83	6,402.96	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,209.94	6,302.48	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	24,796.07	6,199.02	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,367.06	6,091.77	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	23,948.47	5,987.12	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,541.50	5,885.38	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,582.83	5,895.71	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,645.05	5,911.26	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,732.30	5,933.07	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,792.06	5,948.02	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,906.49	5,976.62	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,027.86	6,006.96	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,196.75	6,049.19	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,370.36	6,092.59	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,554.90	6,138.72	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,716.27	6,179.07	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,878.05	6,219.51	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,125.92	6,281.48	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,807.49	6,451.87	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,652.27	6,663.07	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,469.05	6,867.26	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	28,513.91	7,128.48	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,685.75	7,421.44	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	31,112.50	7,778.13	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	32,976.53	8,244.13	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	35,162.47	8,790.62	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,684.33	9,421.08	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	40,798.60	10,199.65	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	45,300.06	11,325.01	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	52,040.16	13,010.04	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	61,548.49	18,464.55	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	86,701.67	15,606.30	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	111,852.64	6,711.16	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	94,825.01	18,016.75	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	77,556.39	19,389.10	35.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	65,750.71	16,437.68	29.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	56,975.25	14,243.81	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	50,084.97	12,521.24	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	44,363.78	11,090.94	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	40,099.85	10,024.96	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	37,100.69	9,275.17	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	34,995.83	8,748.96	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,251.99	8,313.00	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	31,803.29	7,950.82	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,547.78	7,636.94	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,438.69	7,359.67	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,479.59	7,119.90	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	27,935.34	6,983.83	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,460.62	6,865.15	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	26,988.10	6,747.03	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,537.70	6,634.43	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,100.30	6,525.07	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	25,672.99	6,418.25	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,268.75	6,317.19	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	24,853.79	6,213.45	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,423.53	6,105.88	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,003.06	6,000.77	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,592.97	5,898.24	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,600.21	5,900.05	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,663.18	5,915.79	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,750.67	5,937.67	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,808.63	5,952.16	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,917.82	5,979.45	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,037.86	6,009.46	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,203.35	6,050.84	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,373.66	6,093.42	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,561.05	6,140.26	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,721.88	6,180.47	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,880.49	6,220.12	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,083.81	6,270.95	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,635.10	6,408.77	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,492.29	6,623.07	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,324.32	6,831.08	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	28,330.57	7,082.64	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,502.61	7,375.65	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	30,910.08	7,727.52	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	32,748.28	8,187.07	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,933.55	8,733.39	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,437.75	9,359.44	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	40,535.89	10,133.97	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	45,047.97	11,261.99	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	51,759.09	12,939.77	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	61,327.25	18,398.17	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	85,453.74	15,381.67	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	108,984.44	3,269.53	49.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	100,490.02	15,073.50	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	80,316.59	20,079.15	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	67,656.98	16,914.25	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	58,348.94	14,587.23	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	51,082.48	12,770.62	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	45,108.65	11,277.16	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	40,693.22	10,173.30	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	37,483.12	9,370.78	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,293.88	8,823.47	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,505.67	8,376.42	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,021.67	8,005.42	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,745.34	7,686.33	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,619.79	7,404.95	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,638.82	7,159.70	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,036.54	7,009.13	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,554.47	6,888.62	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,076.92	6,769.23	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,620.84	6,655.21	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,177.41	6,544.35	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	25,747.08	6,436.77	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,337.50	6,334.37	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	24,920.23	6,230.06	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,487.24	6,121.81	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,063.34	6,015.83	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,651.14	5,912.78	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,636.20	5,909.05	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,697.80	5,924.45	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,785.97	5,946.49	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,845.02	5,961.26	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,944.25	5,986.06	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,066.19	6,016.55	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,226.75	6,056.69	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,397.27	6,099.32	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,582.18	6,145.54	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,742.12	6,185.53	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,900.94	6,225.23	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,076.60	6,269.15	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,410.32	6,352.58	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,272.62	6,568.15	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,138.22	6,784.55	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	28,111.37	7,027.84	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,283.14	7,320.79	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	30,691.32	7,672.83	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	32,512.35	8,128.09	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,709.86	8,677.47	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,226.27	9,306.57	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	40,353.16	10,088.29	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	45,051.20	11,262.80	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	51,897.26	12,974.31	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	61,909.49	17,334.66	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	83,503.86	12,525.58	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	105,375.58	13,698.83	48.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	82,415.42	19,779.70	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	69,882.19	16,771.72	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	59,982.17	14,995.54	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	52,034.75	13,008.69	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	45,996.77	11,499.19	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	41,370.81	10,342.70	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	37,898.73	9,474.68	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,595.66	8,898.92	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,760.04	8,440.01	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,240.77	8,060.19	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,939.19	7,734.80	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,802.63	7,450.66	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,808.49	7,202.12	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,147.39	7,036.85	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,657.33	6,914.33	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,173.63	6,793.41	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,709.58	6,677.40	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,261.63	6,565.41	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	25,830.08	6,457.52	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,412.16	6,353.04	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	24,990.54	6,247.63	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,552.45	6,138.11	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,125.79	6,031.45	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,708.69	5,927.17	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,692.43	5,923.11	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,747.88	5,936.97	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,836.89	5,959.22	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,897.51	5,974.38	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,985.13	5,996.28	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,112.12	6,028.03	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,265.87	6,066.47	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,441.45	6,110.36	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,621.30	6,155.32	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,780.35	6,195.09	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,938.83	6,234.71	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,105.54	6,276.39	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,325.62	6,331.41	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	25,987.13	6,496.78	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,922.08	6,730.52	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	27,870.37	6,967.59	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,029.01	7,257.25	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	30,487.98	7,621.99	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	32,291.96	8,072.99	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,503.42	8,625.86	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,091.03	9,272.76	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	40,356.02	10,089.00	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	45,405.57	11,351.39	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	52,659.92	13,164.98	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	63,223.31	15,805.83	28.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	81,011.60	10,531.51	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	101,737.95	6,104.28	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	88,661.68	16,845.72	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	72,746.58	18,186.64	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	61,742.41	15,435.60	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	53,232.34	13,308.08	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	46,905.67	11,726.42	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	42,076.70	10,519.18	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	38,352.74	9,588.18	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,898.95	8,974.74	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,005.81	8,501.45	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,445.17	8,111.29	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,129.61	7,782.40	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,988.73	7,497.18	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,989.18	7,247.29	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,272.77	7,068.19	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,771.72	6,942.93	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,281.18	6,820.30	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,810.71	6,702.68	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,358.82	6,589.70	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	25,923.89	6,480.97	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,501.14	6,375.29	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,074.76	6,268.69	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,630.11	6,157.53	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,199.54	6,049.88	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,771.45	5,942.86	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,767.81	5,941.95	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,815.60	5,953.90	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,905.64	5,976.41	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,963.40	5,990.85	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,037.31	6,009.33	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,173.99	6,043.50	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,335.77	6,083.94	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,502.51	6,125.63	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,677.86	6,169.47	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,832.60	6,208.15	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,994.24	6,248.56	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,161.70	6,290.43	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,349.06	6,337.27	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	25,678.37	6,419.59	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,616.35	6,654.09	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	27,644.78	6,911.19	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	28,746.78	7,186.70	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	30,273.44	7,568.36	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	32,082.32	8,020.58	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,300.21	8,575.05	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,010.68	9,252.67	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	40,598.79	10,149.70	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	46,117.52	11,529.38	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	54,186.75	13,546.69	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	65,803.67	13,818.77	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	78,199.56	7,037.96	35.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	98,143.38	1,962.87	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	93,932.89	14,089.93	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	75,729.54	18,932.39	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	63,457.58	15,864.40	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	54,460.64	13,615.16	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	47,761.67	11,940.42	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	42,754.26	10,688.56	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	38,769.97	9,692.49	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,117.74	9,029.43	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,186.70	8,546.68	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,609.16	8,152.29	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,288.98	7,822.24	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,150.13	7,537.53	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,151.36	7,287.84	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,396.35	7,099.09	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,883.98	6,970.99	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,385.54	6,846.39	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,907.05	6,726.76	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,451.47	6,612.87	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,014.64	6,503.66	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,587.82	6,396.95	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,154.53	6,288.63	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,705.62	6,176.41	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,270.49	6,067.62	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,838.36	5,959.59	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,872.30	5,968.08	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,906.35	5,976.59	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,997.14	5,999.29	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,044.53	6,011.13	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,109.94	6,027.48	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,250.66	6,062.67	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,424.31	6,106.08	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,584.80	6,146.20	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,755.66	6,188.91	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,903.73	6,225.93	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,068.02	6,267.01	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,238.92	6,309.73	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,427.74	6,356.93	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	25,659.96	6,414.99	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,242.99	6,560.75	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	27,389.83	6,847.46	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	28,473.94	7,118.49	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	30,075.64	7,518.91	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	31,903.91	7,975.98	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,161.97	8,540.49	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,047.35	9,261.84	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	41,293.39	10,323.35	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	47,437.30	11,859.32	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	56,674.11	14,168.53	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	70,343.74	10,551.56	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	75,023.48	2,250.70	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	91,368.31	8,223.15	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	78,974.03	16,584.55	36.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	65,503.25	16,375.81	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	55,684.49	13,921.12	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	48,543.76	12,135.94	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	43,303.61	10,825.90	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	39,100.33	9,775.08	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,271.11	9,067.78	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,312.12	8,578.03	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,729.85	8,182.46	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,411.06	7,852.76	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,284.94	7,571.23	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,300.08	7,325.02	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,520.85	7,130.21	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,997.59	6,999.40	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,488.82	6,872.20	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,001.98	6,750.50	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,546.45	6,636.61	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,108.80	6,527.20	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,675.92	6,418.98	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,235.58	6,308.90	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,780.73	6,195.18	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,342.10	6,085.52	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	23,910.64	5,977.66	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,992.18	5,998.04	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,018.44	6,004.61	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	24,115.28	6,028.82	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,155.66	6,038.91	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,222.73	6,055.68	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,346.93	6,086.73	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,532.31	6,133.08	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,689.87	6,172.47	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,850.39	6,212.60	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,993.80	6,248.45	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,160.10	6,290.03	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,335.42	6,333.86	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,528.36	6,382.09	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	25,752.66	6,438.16	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,087.61	6,521.90	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	27,005.59	6,751.40	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	28,301.45	7,075.36	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	29,852.80	7,463.20	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	31,718.22	7,929.55	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,116.32	8,529.08	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,387.51	9,346.88	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	42,453.73	10,613.43	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	49,729.81	16,908.14	22.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	71,853.83	15,089.31	32.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	86,097.99	3,443.92	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	81,238.99	13,810.63	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	67,218.05	16,804.51	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	56,580.67	14,145.17	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	49,075.49	12,268.87	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	43,700.20	10,925.05	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	39,404.64	9,851.16	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,362.34	9,090.59	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,377.50	8,594.37	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,807.78	8,201.94	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,506.13	7,876.53	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,404.13	7,601.03	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,445.84	7,361.46	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,652.15	7,163.04	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,117.32	7,029.33	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,599.09	6,899.77	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,101.58	6,775.40	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,644.34	6,661.09	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,199.59	6,549.90	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,757.66	6,439.41	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,309.84	6,327.46	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,849.71	6,212.43	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,406.62	6,101.66	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	24,045.14	6,011.28	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,119.56	6,029.89	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,146.78	6,036.69	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	24,242.67	6,060.67	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,284.37	6,071.09	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,363.12	6,090.78	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,485.30	6,121.33	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,675.55	6,168.89	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,819.81	6,204.95	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,962.37	6,240.59	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,105.78	6,276.45	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,268.78	6,317.20	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,447.26	6,361.82	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,645.40	6,411.35	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	25,881.10	6,470.27	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,177.48	6,544.37	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	26,664.14	6,666.03	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	28,047.66	7,011.91	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	29,620.00	7,405.00	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	31,547.33	7,886.83	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,176.67	8,544.17	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	38,268.17	9,567.04	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	44,201.45	11,050.36	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	52,955.76	14,298.05	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	68,788.85	9,630.44	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	79,712.68	8,768.39	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	68,073.88	15,656.99	31.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	56,977.73	14,244.43	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	49,358.64	12,339.66	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	43,843.37	10,960.84	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	39,486.58	9,871.64	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,341.66	9,085.42	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,344.09	8,586.02	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,815.56	8,203.89	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,546.78	7,886.70	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,485.53	7,621.38	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,562.75	7,390.69	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,779.37	7,194.84	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,230.59	7,057.65	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,696.96	6,924.24	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,195.29	6,798.82	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,731.93	6,682.98	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,281.36	6,570.34	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,826.30	6,456.58	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,369.98	6,342.50	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,901.38	6,225.35	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,452.03	6,113.01	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	24,194.60	6,048.65	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,241.37	6,060.34	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,292.84	6,073.21	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	24,380.81	6,095.20	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,424.48	6,106.12	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,518.57	6,129.64	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,652.93	6,163.23	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,847.23	6,211.81	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,984.92	6,246.23	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,106.46	6,276.62	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,244.67	6,311.17	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,409.95	6,352.49	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,585.33	6,396.33	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,785.99	6,446.50	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,039.24	6,509.81	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,318.61	6,579.65	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	26,792.04	6,698.01	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	27,671.00	6,917.75	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	29,490.30	7,372.57	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	31,506.88	7,876.72	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,717.38	8,679.35	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	39,783.09	9,945.77	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	47,195.41	11,798.85	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	58,081.78	11,035.54	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	65,996.17	3,959.77	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	74,140.37	4,448.42	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	67,884.92	12,898.14	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	57,051.11	14,262.78	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	49,332.58	12,333.15	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	43,799.97	10,949.99	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	39,460.15	9,865.04	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,230.40	9,057.60	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,224.63	8,556.16	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,745.46	8,186.36	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,528.14	7,882.04	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,525.12	7,631.28	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,651.70	7,412.93	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,900.19	7,225.05	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,337.40	7,084.35	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,797.03	6,949.26	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,294.08	6,823.52	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,828.50	6,707.13	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,366.81	6,591.70	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,898.86	6,474.71	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,433.42	6,358.35	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,957.40	6,239.35	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,499.21	6,124.80	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	24,348.42	6,087.11	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,385.74	6,096.43	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,453.33	6,113.33	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	24,530.54	6,132.64	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,579.25	6,144.81	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,698.92	6,174.73	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,844.81	6,211.20	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,024.79	6,256.20	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,157.18	6,289.29	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,278.41	6,319.60	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,401.85	6,350.46	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,571.35	6,392.84	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,745.85	6,436.46	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,955.80	6,488.95	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,202.92	6,550.73	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,533.04	6,633.26	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	27,100.87	6,775.22	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	27,788.46	6,947.11	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	29,208.03	7,302.01	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	31,664.17	7,916.04	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	35,934.49	8,983.62	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	42,193.10	10,548.28	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	51,361.95	11,813.25	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	63,093.27	6,940.26	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	69,056.52	8,977.35	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	57,423.92	14,355.98	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	49,220.43	12,305.11	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	43,548.69	10,887.17	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	39,268.40	9,817.10	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,998.10	8,999.53	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,990.09	8,497.52	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,596.10	8,149.02	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,449.33	7,862.33	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,510.77	7,627.69	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,701.09	7,425.27	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,002.51	7,250.63	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,427.55	7,106.89	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,881.05	6,970.26	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,372.11	6,843.03	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,901.47	6,725.37	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,435.66	6,608.91	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,961.78	6,490.45	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,488.49	6,372.12	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,009.72	6,252.43	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,547.41	6,136.85	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	24,513.57	6,128.39	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,544.56	6,136.14	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,623.95	6,155.99	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	24,692.35	6,173.09	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,760.96	6,190.24	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,910.84	6,227.71	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,050.06	6,262.52	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,200.51	6,300.13	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,336.03	6,334.01	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,462.57	6,365.64	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,577.14	6,394.28	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,751.84	6,437.96	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,936.89	6,484.22	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	26,154.42	6,538.60	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,391.37	6,597.84	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,864.83	6,716.21	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	27,451.91	6,862.98	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	28,159.94	7,039.99	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	29,293.31	7,323.33	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	32,450.27	8,112.57	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	37,825.63	9,456.41	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	45,819.41	12,371.24	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	60,043.70	8,406.12	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	65,888.68	5,271.09	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	59,000.58	12,390.12	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	49,788.90	12,447.23	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	43,695.30	10,923.83	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	39,327.83	9,831.96	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,941.37	8,985.34	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,820.56	8,455.14	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,485.10	8,121.28	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,388.34	7,847.08	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,496.65	7,624.16	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,742.62	7,435.66	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,094.22	7,273.55	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,514.76	7,128.69	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,959.32	6,989.83	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,448.23	6,862.06	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,967.56	6,741.89	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,487.43	6,621.86	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,014.44	6,503.61	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,533.36	6,383.34	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,047.17	6,261.79	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,646.03	6,161.51	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	24,673.54	6,168.39	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,724.74	6,181.18	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,797.53	6,199.38	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	24,863.49	6,215.87	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,964.45	6,241.11	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	25,139.12	6,284.78	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,257.93	6,314.48	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,380.80	6,345.20	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,524.04	6,381.01	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,656.83	6,414.21	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,776.91	6,444.23	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,943.89	6,485.97	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	26,145.50	6,536.38	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	26,382.66	6,595.67	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	26,768.40	6,692.10	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,264.04	6,816.01	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	27,835.43	6,958.86	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	28,673.38	7,168.34	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	30,388.34	7,597.09	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	34,051.56	8,512.89	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	40,908.09	10,227.02	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	51,120.07	9,201.61	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	56,845.31	2,842.27	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	63,861.89	1,277.24	29.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	61,461.92	9,219.29	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	51,316.58	12,829.14	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	44,271.63	11,067.91	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	39,647.81	9,911.95	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,079.30	9,019.82	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,796.95	8,449.24	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,491.70	8,122.93	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,436.50	7,859.13	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,578.08	7,644.52	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,867.16	7,466.79	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,214.40	7,303.60	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,619.02	7,154.75	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	28,046.67	7,011.67	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,530.11	6,882.53	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	27,032.46	6,758.12	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,540.42	6,635.11	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,061.38	6,515.35	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,568.56	6,392.14	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,081.22	6,270.31	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,843.49	6,210.87	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	24,841.68	6,210.42	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,922.23	6,230.56	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,981.66	6,245.41	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	25,064.79	6,266.20	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	25,203.64	6,300.91	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	25,374.20	6,343.55	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,477.47	6,369.37	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,583.33	6,395.83	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,727.25	6,431.81	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,871.37	6,467.84	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,993.42	6,498.35	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,158.87	6,539.72	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	26,375.72	6,593.93	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	26,680.06	6,670.01	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	27,161.89	6,790.47	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,722.20	6,930.55	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	28,341.89	7,085.47	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,554.35	7,388.59	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	32,536.47	8,134.12	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	37,300.66	9,325.17	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	44,919.22	9,433.04	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	53,620.08	4,289.61	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	62,296.73	6,229.67	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	53,552.46	11,781.54	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	45,273.42	11,318.36	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	40,166.96	10,041.74	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,399.69	9,099.92	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,884.91	8,471.23	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,572.42	8,143.11	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,548.86	7,887.21	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,721.46	7,680.36	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	30,020.77	7,505.19	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,356.14	7,339.03	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,747.70	7,186.93	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	28,168.72	7,042.18	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,638.04	6,909.51	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	27,119.54	6,779.89	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,616.52	6,654.13	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,119.04	6,529.76	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,612.38	6,403.09	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,120.99	6,280.25	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	25,041.53	6,260.38	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	25,030.40	6,257.60	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	25,125.95	6,281.49	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,171.53	6,292.88	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	25,278.78	6,319.70	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	25,455.87	6,363.97	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	25,612.10	6,403.03	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,705.00	6,426.25	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,807.90	6,451.97	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,950.05	6,487.51	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	26,100.36	6,525.09	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	26,226.70	6,556.67	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,411.37	6,602.84	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	26,636.04	6,659.01	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	27,077.94	6,769.49	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	27,566.17	6,891.54	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	28,162.80	7,040.70	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	28,987.51	7,246.88	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	31,390.04	7,847.51	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	35,647.37	8,911.84	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	41,831.75	9,621.30	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	51,028.26	5,613.11	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	61,318.03	2,452.72	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	57,049.20	9,698.36	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	47,007.10	11,751.77	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	40,950.88	10,237.72	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,912.89	9,228.22	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,112.17	8,528.04	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,729.06	8,182.27	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,724.14	7,931.03	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,903.00	7,725.75	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	30,190.85	7,547.71	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,511.28	7,377.82	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,892.27	7,223.07	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	28,306.31	7,076.58	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,763.36	6,940.84	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	27,228.66	6,807.17	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,718.97	6,679.74	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,200.85	6,550.21	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,686.12	6,421.53	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,204.39	6,301.10	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	25,235.52	6,308.88	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	25,231.71	6,307.93	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	25,330.79	6,332.70	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,391.34	6,347.84	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	25,551.01	6,387.75	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	25,714.73	6,428.68	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	25,855.79	6,463.95	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,938.38	6,484.60	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	26,048.18	6,512.05	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	26,170.37	6,542.59	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	26,322.86	6,580.72	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	26,476.41	6,619.10	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,684.75	6,671.19	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	27,017.22	6,754.31	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	27,489.67	6,872.42	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	27,991.23	6,997.81	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	28,690.55	7,172.64	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	30,271.70	7,567.93	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	33,915.09	8,478.77	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	39,325.55	10,617.90	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	49,858.77	6,980.23	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	60,131.02	7,215.72	27.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	50,173.92	12,041.74	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	42,361.17	10,590.29	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	37,679.60	9,419.90	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,524.41	8,631.10	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,951.08	8,237.77	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,938.54	7,984.63	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	31,098.52	7,774.63	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	30,372.80	7,593.20	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,684.63	7,421.16	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	29,057.18	7,264.29	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	28,458.87	7,114.72	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,904.25	6,976.06	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	27,360.95	6,840.24	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,837.62	6,709.40	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,300.07	6,575.02	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,776.06	6,444.01	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,367.53	6,341.88	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	25,420.26	6,355.06	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	25,461.86	6,365.46	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	25,540.53	6,385.13	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,624.25	6,406.06	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	25,826.67	6,456.67	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	25,975.22	6,493.81	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	26,105.60	6,526.40	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	26,188.74	6,547.18	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	26,298.44	6,574.61	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	26,388.44	6,597.11	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	26,552.98	6,638.24	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	26,747.68	6,686.92	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	27,019.13	6,754.78	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	27,431.16	6,857.79	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	27,904.25	6,976.06	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	28,487.58	7,121.90	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	29,521.90	7,380.47	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	32,344.11	8,086.03	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	36,917.41	9,229.35	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	43,577.23	8,279.67	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	48,168.12	2,890.09	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	59,188.34	3,551.30	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	53,725.57	9,670.60	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	44,753.29	11,188.32	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	38,832.63	9,708.16	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	35,197.48	8,799.37	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	33,246.00	8,311.50	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	32,195.97	8,048.99	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	31,313.33	7,828.33	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	30,562.47	7,640.62	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,871.51	7,467.88	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	29,238.04	7,309.51	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	28,627.90	7,156.97	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	28,060.48	7,015.12	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	27,507.52	6,876.88	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,967.83	6,741.96	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,409.94	6,602.49	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,874.98	6,468.74	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,596.80	6,399.20	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	25,605.20	6,401.30	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	25,673.94	6,418.49	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	25,744.93	6,436.23	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,872.60	6,468.15	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	26,090.98	6,522.74	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	26,230.10	6,557.53	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	26,350.01	6,587.50	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	26,439.74	6,609.93	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	26,548.45	6,637.11	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	26,629.72	6,657.43	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	26,809.42	6,702.36	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	27,025.79	6,756.45	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	27,419.12	6,854.78	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	27,852.75	6,963.19	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	28,333.46	7,083.36	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	29,034.69	7,258.67	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	31,164.85	7,791.21	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	34,855.01	8,713.75	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	39,593.90	8,710.66	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	46,615.24	4,661.52	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	59,382.17	7,719.68	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	47,840.79	11,960.20	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	40,664.03	10,166.01	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	36,173.59	9,043.40	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	33,628.91	8,407.23	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	32,514.76	8,128.69	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	31,567.26	7,891.81	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	30,794.93	7,698.73	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	30,086.05	7,521.51	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	29,434.78	7,358.70	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	28,812.64	7,203.16	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,238.21	7,059.55	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	27,672.84	6,918.21	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,114.92	6,778.73	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	26,538.96	6,634.74	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	25,996.96	6,499.24	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	25,820.96	6,455.24	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	25,819.09	6,454.77	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,898.45	6,474.61	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,984.34	6,496.08	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	26,135.30	6,533.82	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	26,345.86	6,586.46	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	26,475.22	6,618.80	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	26,593.56	6,648.39	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	26,693.39	6,673.35	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	26,793.98	6,698.49	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	26,871.43	6,717.86	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	27,071.00	6,767.75	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	27,369.22	6,842.30	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	27,814.82	6,953.71	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	28,253.15	7,063.29	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	28,842.64	7,210.66	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	30,077.10	7,519.28	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	33,111.64	8,277.91	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	37,341.65	9,335.41	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	43,521.62	6,528.24	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	45,217.20	1,356.52	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	60,027.65	4,201.94	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	52,552.47	9,984.97	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	43,036.69	10,759.17	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	37,479.72	9,369.93	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	34,217.28	8,554.32	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	32,881.11	8,220.28	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	31,872.82	7,968.21	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	31,055.46	7,763.86	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	30,328.75	7,582.19	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	29,661.94	7,415.48	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,020.06	7,255.02	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,430.98	7,107.75	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	27,850.54	6,962.63	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,270.30	6,817.57	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	26,685.81	6,671.45	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,137.37	6,534.34	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,020.16	6,505.04	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,029.24	6,507.31	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,101.83	6,525.46	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	26,224.35	6,556.09	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	26,395.72	6,598.93	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	26,589.71	6,647.43	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	26,710.54	6,677.63	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	26,838.37	6,709.59	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	26,939.43	6,734.86	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,037.94	6,759.48	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	27,129.81	6,782.45	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	27,326.46	6,831.61	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	27,718.93	6,929.73	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	28,181.24	7,045.31	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	28,678.04	7,169.51	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	29,499.68	7,374.92	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	31,515.59	7,878.90	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	35,044.54	8,761.14	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	39,846.19	8,367.70	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	44,089.17	3,968.03	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	60,949.64	609.50	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	59,739.70	7,766.16	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	47,159.25	11,789.81	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	39,395.14	9,848.79	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	35,076.11	8,769.03	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	33,287.19	8,321.80	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	32,226.92	8,056.73	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	31,354.83	7,838.71	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	30,590.06	7,647.51	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	29,902.60	7,475.65	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,243.65	7,310.91	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,641.71	7,160.43	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,046.50	7,011.63	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,446.84	6,861.71	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	26,850.61	6,712.65	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,301.63	6,575.41	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,205.88	6,551.47	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,224.56	6,556.14	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,292.14	6,573.04	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	26,438.14	6,609.53	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	26,601.18	6,650.29	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	26,803.88	6,700.97	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	26,934.36	6,733.59	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	27,071.10	6,767.78	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	27,169.07	6,792.27	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,264.99	6,816.25	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	27,383.54	6,845.88	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	27,626.14	6,906.53	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,034.53	7,008.63	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	28,488.67	7,122.17	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	29,094.66	7,273.67	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	30,327.80	7,581.95	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	32,965.37	8,241.34	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	36,612.56	9,153.14	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	41,866.76	6,280.01	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	43,502.91	1,305.09	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	61,819.42	4,945.55	28.1%	1,994.34	159.55	0.9%	1,994.34	159.55	0.9%	0.00	0.00	0.0%	1,994.34	159.55	0.9%	1,994.34	159.55	0.9%
8:00 AM	53,350.99	10,670.20	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	42,814.81	10,703.70	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	36,394.96	9,098.74	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	33,731.61	8,432.90	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	32,602.59	8,150.65	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	31,693.46	7,923.36	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	30,881.64	7,720.41	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,166.12	7,541.53	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,481.28	7,370.32	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	28,864.37	7,216.09	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,256.51	7,064.13	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,639.81	6,909.95	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,030.42	6,757.61	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,472.87	6,618.22	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,373.27	6,593.32	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,397.39	6,599.35	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,457.26	6,614.31	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	26,608.35	6,652.09	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	26,765.78	6,691.44	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	27,001.44	6,750.36	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	27,138.69	6,784.67	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	27,285.64	6,821.41	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	27,380.51	6,845.13	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,474.63	6,868.66	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	27,615.52	6,903.88	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	27,903.30	6,975.82	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,302.20	7,075.55	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	28,783.89	7,195.97	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	29,517.95	7,379.49	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	31,178.43	7,794.61	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	34,127.17	8,531.79	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	38,305.15	8,810.18	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	43,387.32	4,772.61	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	66,933.30	1,338.67	30.5%	15,030.40	300.61	6.8%	15,030.40	300.61	6.8%	0.00	0.00	0.0%	15,030.40	300.61	6.8%	15,030.40	300.61	6.8%
8:00 AM	61,104.51	9,165.68	27.8%	18,442.78	2766.42	8.4%	18,442.78	2766.42	8.4%	0.00	0.00	0.0%	18,442.78	2766.42	8.4%	18,442.78	2766.42	8.4%
8:15 AM	47,816.54	11,954.13	21.8%	902.13	225.53	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	902.13	225.53	0.4%	902.13	225.53	0.4%
8:30 AM	39,074.51	9,768.63	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	34,509.65	8,627.41	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	33,008.20	8,252.05	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	32,040.65	8,010.16	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	31,199.48	7,799.87	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,449.23	7,612.31	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,738.92	7,434.73	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,103.10	7,275.77	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,478.16	7,119.54	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	27,850.47	6,962.62	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,225.23	6,806.31	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,654.45	6,663.61	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,530.12	6,632.53	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,557.09	6,639.27	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,613.39	6,653.35	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	26,751.73	6,687.93	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	26,908.98	6,727.25	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	27,183.76	6,795.94	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	27,319.21	6,829.80	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	27,472.73	6,868.18	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	27,561.78	6,890.44	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,660.32	6,915.08	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	27,817.47	6,954.37	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,139.16	7,034.79	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,501.84	7,125.46	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	29,033.16	7,258.29	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	29,932.64	7,483.16	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	31,985.14	7,996.29	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	35,220.30	8,805.08	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	39,831.97	7,966.39	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	43,365.96	3,469.28	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	77,510.30	6,975.93	35.3%	30,396.63	2735.70	13.8%	30,396.63	2735.70	13.8%	0.00	0.00	0.0%	30,396.63	2735.70	13.8%	30,396.63	2735.70	13.8%
8:15 AM	53,356.73	11,204.91	24.3%	17,681.03	3713.02	8.1%	14,635.75	3073.51	6.7%	0.00	0.00	0.0%	17,681.03	3713.02	8.1%	17,681.03	3713.02	8.1%
8:30 AM	42,721.13	10,680.28	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	36,310.40	9,077.60	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	33,521.29	8,380.32	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	32,408.50	8,102.12	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	31,514.67	7,878.67	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	30,740.85	7,685.21	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,000.97	7,500.24	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,345.39	7,336.35	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,703.96	7,175.99	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,068.51	7,017.13	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,427.69	6,856.92	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,843.10	6,710.77	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,659.75	6,664.94	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,674.75	6,668.69	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,733.67	6,683.42	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	26,866.91	6,716.73	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	27,039.88	6,759.97	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	27,324.55	6,831.14	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	27,463.85	6,865.96	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	27,620.42	6,905.11	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	27,708.45	6,927.11	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,814.18	6,953.54	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	27,979.66	6,994.92	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,314.14	7,078.53	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,667.56	7,166.89	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	29,228.07	7,307.02	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	30,329.29	7,582.32	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	32,703.48	8,175.87	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	35,992.39	8,998.10	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	40,718.18	7,329.27	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	44,103.83	2,205.19	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	87,427.60	3,497.10	39.8%	34,226.38	1369.06	15.6%	34,209.78	1368.39	15.6%	0.00	0.00	0.0%	34,226.38	1369.06	15.6%	34,226.38	1369.06	15.6%
8:15 AM	63,547.25	10,803.03	28.9%	35,140.89	5973.95	16.0%	31,945.36	5430.71	14.5%	0.00	0.00	0.0%	35,140.89	5973.95	16.0%	35,140.89	5973.95	16.0%
8:30 AM	46,862.16	11,715.54	21.3%	16,150.22	4037.56	7.4%	406.93	101.73	0.2%	0.00	0.00	0.0%	16,150.22	4037.56	7.4%	16,150.22	4037.56	7.4%
8:45 AM	38,775.04	9,693.76	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	34,328.92	8,582.23	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	32,823.15	8,205.79	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	31,824.11	7,956.03	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,027.33	7,756.83	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,257.35	7,564.34	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,580.10	7,395.02	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	28,923.49	7,230.87	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,284.14	7,071.03	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,630.66	6,907.67	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,032.97	6,758.24	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,769.38	6,692.35	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,777.07	6,694.27	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,839.05	6,709.76	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	26,966.23	6,741.56	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	27,128.01	6,782.00	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	27,419.46	6,854.86	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	27,563.51	6,890.88	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	27,725.56	6,931.39	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	27,812.47	6,953.12	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,923.77	6,980.94	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	28,087.90	7,021.97	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,420.06	7,105.02	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,774.20	7,193.55	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	29,365.90	7,341.48	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	30,580.19	7,645.05	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	33,030.07	8,257.52	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	36,324.86	9,081.21	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	41,480.44	7,051.67	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	44,955.00	2,247.75	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	92,824.55	11,138.95	42.3%	36,676.73	4401.21	16.7%	34,757.64	4170.92	15.8%	0.00	0.00	0.0%	36,676.73	4401.21	16.7%	36,676.73	4401.21	16.7%
8:30 AM	50,969.96	12,742.49	23.2%	44,987.10	11246.77	20.5%	17,624.74	4406.18	8.0%	0.00	0.00	0.0%	44,987.10	11246.77	20.5%	44,987.10	11246.77	20.5%
8:45 AM	41,521.02	10,380.26	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,570.32	8,892.58	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,318.76	8,329.69	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,131.07	8,032.77	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,289.66	7,822.41	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,498.83	7,624.71	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,801.03	7,450.26	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,127.32	7,281.83	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,488.54	7,122.13	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,822.07	6,955.52	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,214.38	6,803.59	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,832.38	6,708.10	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,824.29	6,706.07	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,891.60	6,722.90	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	27,004.19	6,751.05	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	27,166.41	6,791.60	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	27,446.06	6,861.51	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	27,613.75	6,903.44	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	27,781.18	6,945.29	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	27,873.60	6,968.40	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,979.22	6,994.80	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	28,134.53	7,033.63	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,452.65	7,113.16	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,808.66	7,202.16	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	29,381.07	7,345.27	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	30,593.19	7,648.30	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	32,981.70	8,245.42	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	36,158.35	9,039.59	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	41,475.13	7,465.52	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	45,597.56	2,735.85	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	95,066.66	7,605.33	43.3%	38,327.82	3066.23	17.5%	34,622.15	2769.77	15.8%	0.00	0.00	0.0%	38,327.82	3066.23	17.5%	38,327.82	3066.23	17.5%
8:30 AM	54,673.89	11,481.52	24.9%	51,977.82	10915.34	23.7%	31,009.11	6511.91	14.1%	0.00	0.00	0.0%	51,977.82	10915.34	23.7%	51,977.82	10915.34	23.7%
8:45 AM	43,930.76	10,982.69	20.0%	7,077.30	1769.32	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,077.30	1769.32	3.2%	7,077.30	1769.32	3.2%
9:00 AM	36,879.01	9,219.75	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,835.83	8,458.96	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,407.55	8,101.89	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	31,509.16	7,877.29	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	30,705.47	7,676.37	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	29,986.45	7,496.61	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	29,300.35	7,325.09	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	28,664.40	7,166.10	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	27,989.22	6,997.30	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,371.87	6,842.97	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	26,852.76	6,713.19	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,857.93	6,714.48	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	26,903.37	6,725.84	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	26,997.60	6,749.40	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	27,154.65	6,788.66	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	27,408.81	6,852.20	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	27,612.09	6,903.02	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	27,777.30	6,944.33	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	27,885.00	6,971.25	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,984.66	6,996.17	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	28,128.82	7,032.20	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,414.59	7,103.65	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,767.43	7,191.86	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	29,294.26	7,323.57	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	30,363.68	7,590.92	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	32,548.30	8,137.08	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	35,577.53	8,894.38	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	40,590.80	8,524.07	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	45,842.57	3,667.41	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F3: BUCHANAN STREET MALL DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	70,360.73	7,739.68	89.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	68,232.25	15,693.42	86.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	65,056.00	16,264.00	82.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	61,082.24	15,270.56	77.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	54,959.48	13,739.87	69.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	47,377.95	11,844.49	60.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	40,567.83	10,141.96	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	34,775.21	8,693.80	44.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	29,911.43	7,477.86	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	25,710.44	6,427.61	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	22,063.61	5,515.90	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	18,878.26	4,719.56	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,047.13	4,011.78	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	13,533.27	3,383.32	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	11,279.82	2,819.95	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,251.51	2,312.88	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,385.78	1,846.44	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,749.54	1,437.39	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,265.41	1,066.35	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,123.51	780.88	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,174.70	543.67	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,373.57	343.39	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	648.54	162.13	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	166.84	41.71	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	35.35	8.84	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	70.62	17.65	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	514.71	128.68	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	986.01	246.50	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,481.95	370.49	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,057.94	514.48	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,778.63	694.66	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,795.96	948.99	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,847.27	1,211.82	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,910.83	1,477.71	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	7,028.25	1,757.06	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,196.41	2,049.10	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	9,471.90	2,367.98	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	10,807.30	2,701.83	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,386.13	3,096.53	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	14,021.24	3,505.31	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	15,685.74	3,921.44	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	17,530.05	4,382.51	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,599.26	4,899.82	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	21,954.09	5,488.52	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	25,100.07	6,275.02	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	28,773.31	7,193.33	36.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	32,507.75	8,126.94	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	34,647.34	8,661.83	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	36,816.64	9,204.16	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	40,934.13	10,233.53	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	47,688.28	14,306.49	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	54,292.02	9,772.56	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	70,316.60	7,031.66	89.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	68,523.42	15,075.15	86.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	65,499.60	16,374.90	83.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	61,627.07	15,406.77	78.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	55,933.49	13,983.37	70.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	48,295.99	12,074.00	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	41,428.06	10,357.02	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	35,466.50	8,866.63	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	30,490.55	7,622.64	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	26,201.15	6,550.29	33.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	22,486.68	5,621.67	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,247.13	4,811.78	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,366.16	4,091.54	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	13,812.92	3,453.23	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	11,524.85	2,881.21	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,471.42	2,367.85	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,576.62	1,894.15	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,921.14	1,480.28	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,403.11	1,100.78	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,232.54	808.13	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,262.95	565.74	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,450.47	362.62	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	712.39	178.10	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	198.57	49.64	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	33.26	8.31	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	67.72	16.93	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	472.51	118.13	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	942.29	235.57	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,438.39	359.60	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,007.69	501.92	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,704.70	676.18	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,711.17	927.79	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,766.83	1,191.71	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,828.37	1,457.09	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,946.60	1,736.65	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,111.13	2,027.78	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	9,386.06	2,346.52	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	10,706.65	2,676.66	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,263.65	3,065.91	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	13,899.57	3,474.89	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	15,556.50	3,889.13	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	17,390.26	4,347.57	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,446.51	4,861.63	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	21,779.28	5,444.82	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	24,819.76	6,204.94	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	28,523.44	7,130.86	36.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	32,288.64	8,072.16	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	34,507.95	8,626.99	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	36,647.22	9,161.81	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	40,476.60	10,119.15	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	47,299.44	14,189.83	59.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	54,229.61	9,761.33	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	70,168.68	4,210.12	88.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	68,871.36	13,085.56	87.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	66,087.43	16,521.86	83.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	62,331.08	15,582.77	79.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	57,191.43	14,297.86	72.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	49,602.49	12,400.62	62.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	42,600.49	10,650.12	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	36,474.26	9,118.56	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	31,305.69	7,826.42	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	26,881.49	6,720.37	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	23,059.92	5,764.98	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,719.81	4,929.95	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,773.05	4,193.26	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	14,160.54	3,540.14	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	11,820.05	2,955.01	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,728.05	2,432.01	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,797.01	1,949.25	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,112.54	1,528.14	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,555.54	1,138.88	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,344.38	836.10	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,351.13	587.78	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,527.45	381.86	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	772.38	193.10	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	229.81	57.45	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	33.01	8.25	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	67.00	16.75	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	445.38	111.34	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	918.13	229.53	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,416.73	354.18	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,983.13	495.78	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,674.35	668.59	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,683.95	920.99	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,745.09	1,186.27	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,816.54	1,454.13	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,944.27	1,736.07	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,116.61	2,029.15	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	9,400.07	2,350.02	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	10,739.02	2,684.75	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,241.35	3,060.34	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	13,877.18	3,469.30	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	15,554.25	3,888.56	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	17,390.83	4,347.71	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,463.10	4,865.77	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	21,810.36	5,452.59	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	24,889.34	6,222.33	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	28,601.31	7,150.33	36.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	32,420.22	8,105.05	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	34,627.93	8,656.98	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	36,667.67	9,166.92	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	40,470.48	10,117.62	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	47,209.73	14,162.92	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	54,062.28	9,731.21	68.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	69,886.36	2,096.59	88.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	69,228.08	10,384.21	87.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	66,725.57	16,681.39	84.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	63,242.85	15,810.71	80.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	58,629.42	14,657.35	74.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	51,304.03	12,826.01	65.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	44,119.64	11,029.91	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	37,800.32	9,450.08	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	32,355.24	8,088.81	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	27,745.02	6,936.26	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	23,766.20	5,941.55	30.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,304.65	5,076.16	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,264.16	4,316.04	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	14,571.70	3,642.92	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	12,158.89	3,039.72	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,016.32	2,504.08	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,040.03	2,010.01	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,314.25	1,578.56	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,714.57	1,178.64	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,456.71	864.18	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,434.87	608.72	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,596.70	399.18	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	824.40	206.10	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	257.27	64.32	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	35.27	8.82	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	67.80	16.95	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	435.47	108.87	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	912.98	228.24	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,415.20	353.80	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,987.32	496.83	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,689.97	672.49	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,714.71	928.68	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,790.83	1,197.71	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,877.49	1,469.37	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	7,022.62	1,755.65	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,215.98	2,053.99	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	9,520.46	2,380.11	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	10,894.83	2,723.71	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,325.90	3,081.47	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	13,954.00	3,488.50	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	15,667.46	3,916.87	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	17,540.20	4,385.05	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,648.38	4,912.10	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	22,042.99	5,510.75	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	25,298.24	6,324.56	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	29,025.83	7,256.46	36.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	32,822.92	8,205.73	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	34,949.46	8,737.37	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	36,911.74	9,227.94	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	40,948.55	10,237.14	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	47,508.64	13,302.42	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	54,088.29	8,113.24	68.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	69,389.29	9,020.61	87.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	66,989.13	16,077.39	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	64,212.11	15,410.91	81.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	60,094.78	15,023.70	76.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	53,263.89	13,315.97	67.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	45,947.12	11,486.78	58.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	39,364.65	9,841.16	49.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	33,587.89	8,396.97	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	28,736.51	7,184.13	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	24,558.14	6,139.54	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,952.94	5,238.24	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,793.60	4,448.40	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	15,010.23	3,752.56	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	12,516.09	3,129.02	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,308.22	2,577.05	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,280.72	2,070.18	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,503.08	1,625.77	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,862.57	1,215.64	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,552.21	888.05	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,501.87	625.47	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,645.82	411.46	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	857.66	214.41	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	273.86	68.47	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	38.33	9.58	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	72.31	18.08	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	447.23	111.81	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	931.09	232.77	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,443.79	360.95	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,027.58	506.90	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,761.07	690.27	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,816.90	954.22	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,914.35	1,228.59	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,027.51	1,506.88	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	7,202.02	1,800.51	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,428.88	2,107.22	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	9,770.80	2,442.70	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	11,184.39	2,796.10	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,632.61	3,158.15	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	14,150.08	3,537.52	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	15,906.78	3,976.69	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	17,857.78	4,464.45	22.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	20,032.56	5,008.14	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	22,522.67	5,630.67	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	25,914.88	6,478.72	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	29,867.62	7,466.91	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	33,439.24	8,359.81	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	35,467.23	8,866.81	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	37,482.81	9,370.70	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	42,062.75	10,515.69	53.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	48,175.93	12,043.98	61.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	53,716.36	6,983.13	68.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	68,652.99	4,119.18	87.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	67,484.19	12,822.00	85.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	65,054.47	16,263.62	82.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	61,260.28	15,315.07	77.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	55,650.69	13,912.67	70.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	48,102.34	12,025.58	60.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	41,245.92	10,311.48	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	35,038.52	8,759.63	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	29,871.97	7,467.99	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	25,463.23	6,365.81	32.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	21,691.10	5,422.78	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,388.11	4,597.03	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	15,490.95	3,872.74	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	12,900.35	3,225.09	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,616.54	2,654.14	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,527.60	2,131.90	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,692.31	1,673.08	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,007.84	1,251.96	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,641.19	910.30	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,558.63	639.66	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,682.38	420.59	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	876.42	219.10	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	279.58	69.89	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	40.83	10.21	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	79.64	19.91	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	478.79	119.70	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	973.53	243.38	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,497.42	374.35	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,101.99	525.50	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,887.49	721.87	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,988.25	997.06	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,110.99	1,277.75	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,263.20	1,565.80	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	7,476.21	1,869.05	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,753.31	2,188.33	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	10,149.27	2,537.32	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	11,618.26	2,904.56	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	13,102.87	3,275.72	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	14,483.28	3,620.82	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	16,280.00	4,070.00	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	18,342.37	4,585.59	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	20,615.63	5,153.91	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	23,232.16	5,808.04	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	26,830.52	6,707.63	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	31,087.23	7,771.81	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	34,298.43	8,574.61	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	36,181.31	9,045.33	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	38,392.57	9,598.14	48.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	43,410.87	10,852.72	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	49,286.51	10,350.17	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	53,392.97	4,805.37	67.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	67,785.34	1,355.71	85.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	67,498.36	10,124.75	85.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	65,667.82	16,416.95	83.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	62,349.04	15,587.26	79.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	58,176.63	14,544.16	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	50,492.27	12,623.07	64.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	43,298.38	10,824.60	54.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	36,582.08	9,145.52	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	31,083.85	7,770.96	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	26,422.67	6,605.67	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	22,446.82	5,611.70	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,989.46	4,747.36	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	15,963.71	3,990.93	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	13,259.33	3,314.83	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,889.44	2,722.36	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,733.58	2,183.40	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,835.48	1,708.87	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,106.16	1,276.54	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,693.94	923.48	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,580.22	645.05	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,687.69	421.92	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	868.45	217.11	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	265.33	66.33	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	42.84	10.71	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	90.51	22.63	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	538.38	134.60	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,048.42	262.10	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,585.11	396.28	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,222.37	555.59	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,100.16	775.04	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,241.74	1,060.43	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,402.97	1,350.74	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,602.04	1,650.51	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	7,876.73	1,969.18	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	9,220.02	2,305.01	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	10,684.67	2,671.17	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	12,195.37	3,048.84	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	13,721.53	3,430.38	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	15,144.46	3,786.12	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	16,830.87	4,207.72	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	19,001.22	4,750.30	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	21,453.96	5,363.49	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	24,426.81	6,106.70	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	28,365.62	7,091.40	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	32,865.43	8,216.36	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	35,258.67	8,814.67	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	37,161.28	9,290.32	47.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	39,710.58	9,927.64	50.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	44,933.74	11,233.43	56.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	51,167.30	7,675.10	64.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	52,512.77	1,575.38	66.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	67,045.57	6,034.10	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	66,005.13	13,861.08	83.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	64,191.10	16,047.77	81.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	60,511.65	15,127.91	76.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	53,193.92	13,298.48	67.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	45,430.65	11,357.66	57.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	38,305.92	9,576.48	48.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	32,393.97	8,098.49	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	27,435.97	6,858.99	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	23,232.08	5,808.02	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,594.27	4,898.57	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,427.52	4,106.88	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	13,605.82	3,401.45	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,137.77	2,784.44	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,916.05	2,229.01	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,952.32	1,738.08	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,172.51	1,293.13	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,717.69	929.42	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,577.48	644.37	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,667.48	416.87	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	835.83	208.96	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	237.62	59.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	52.58	13.15	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	112.17	28.04	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	620.43	155.11	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,149.07	287.27	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,711.53	427.88	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,387.04	596.76	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,401.47	850.37	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,580.98	1,145.25	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,792.46	1,448.11	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	7,049.19	1,762.30	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	8,400.62	2,100.15	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	9,827.09	2,456.77	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	11,385.46	2,846.37	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	12,945.04	3,236.26	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	14,475.47	3,618.87	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	16,007.83	4,001.96	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	17,732.00	4,433.00	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	19,867.89	4,966.97	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	22,546.75	5,636.69	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	25,771.55	6,442.89	32.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	30,322.26	7,580.56	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,504.73	8,626.18	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	36,345.26	9,086.31	46.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	38,487.34	9,621.84	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	41,605.46	14,145.86	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	51,796.51	10,877.27	65.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	66,976.89	2,679.08	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	67,005.72	11,390.97	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	65,745.20	16,436.30	83.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	62,349.93	15,587.48	79.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	56,178.52	14,044.63	71.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	47,738.21	11,934.55	60.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	40,217.71	10,054.43	51.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	33,802.41	8,450.60	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	28,521.83	7,130.46	36.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	24,062.36	6,015.59	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	20,232.26	5,058.06	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,908.49	4,227.12	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	13,963.83	3,490.96	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,387.96	2,846.99	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,086.84	2,271.71	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,051.36	1,762.84	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,217.44	1,304.36	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,719.38	929.85	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,555.25	638.81	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,626.09	406.52	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	786.15	196.54	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	201.71	50.43	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	64.42	16.10	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	197.77	49.44	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	723.99	181.00	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,271.63	317.91	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,875.15	468.79	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,625.23	656.31	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,771.16	942.79	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,000.11	1,250.03	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,278.50	1,569.62	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	7,611.57	1,902.89	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,051.89	2,262.97	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	10,575.32	2,643.83	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	12,238.29	3,059.57	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	13,882.82	3,470.70	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	15,428.79	3,857.20	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	17,100.70	4,275.17	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,975.77	4,743.94	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	21,067.29	5,266.82	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	24,153.51	6,038.38	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	27,821.28	6,955.32	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	32,666.70	8,166.68	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	35,685.45	8,921.36	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,661.41	9,415.35	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	40,283.34	10,070.84	51.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	44,124.31	11,913.56	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	51,100.63	7,154.09	64.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	68,060.09	7,486.61	86.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	67,172.00	15,449.56	85.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	64,070.31	16,017.58	81.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	58,826.86	14,706.72	74.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	50,079.99	12,520.00	63.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	42,132.48	10,533.12	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,207.54	8,801.89	44.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	29,582.97	7,395.74	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	24,861.88	6,215.47	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	20,831.35	5,207.84	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,339.61	4,334.90	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	14,265.39	3,566.35	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,575.58	2,893.89	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,193.61	2,298.40	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,088.49	1,772.12	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,202.46	1,300.62	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,667.28	916.82	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,489.87	622.47	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,545.97	386.49	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	703.53	175.88	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	161.45	40.36	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	82.46	20.61	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	315.25	78.81	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	861.68	215.42	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,429.70	357.42	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,087.25	521.81	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,980.26	745.06	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,230.22	1,057.56	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,518.12	1,379.53	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,885.57	1,721.39	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	8,326.62	2,081.65	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,880.72	2,470.18	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	11,525.33	2,881.33	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	13,265.69	3,316.42	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	14,914.24	3,728.56	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	16,638.98	4,159.74	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,491.99	4,623.00	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	20,584.47	5,146.12	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	23,016.76	5,754.19	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	26,070.21	6,517.55	33.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	30,498.12	7,624.53	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	34,453.84	8,613.46	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	36,800.46	9,200.11	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	39,450.00	9,862.50	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	42,781.42	10,695.36	54.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	48,254.44	9,168.34	61.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	51,447.52	3,086.85	65.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	68,857.35	4,131.44	87.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	68,398.53	12,995.72	86.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	65,853.18	16,463.30	83.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	61,297.56	15,324.39	77.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	52,708.60	13,177.15	66.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	44,241.88	11,060.47	56.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	36,760.20	9,190.05	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	30,750.97	7,687.74	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	25,723.16	6,430.79	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	21,465.32	5,366.33	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,791.51	4,447.88	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	14,570.25	3,642.56	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,757.16	2,939.29	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,283.80	2,320.95	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,106.36	1,776.59	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,163.25	1,290.81	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,597.07	899.27	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,408.46	602.11	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,449.75	362.44	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	606.34	151.59	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	122.07	30.52	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	105.97	26.49	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	452.70	113.18	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,023.78	255.94	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,613.69	403.42	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,344.93	586.23	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,440.93	860.23	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,761.03	1,190.26	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,129.69	1,532.42	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	7,594.98	1,898.74	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,149.65	2,287.41	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	10,848.21	2,712.05	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	12,647.43	3,161.86	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	14,485.05	3,621.26	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	16,169.36	4,042.34	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,092.35	4,523.09	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	20,169.13	5,042.28	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	22,625.10	5,656.27	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	25,458.16	6,364.54	32.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,116.98	7,279.25	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	33,243.33	8,310.83	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	35,657.83	8,914.46	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	38,212.03	9,553.01	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	41,739.21	10,434.80	52.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	47,197.01	10,855.31	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	52,270.23	5,749.73	66.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	69,799.40	9,073.92	88.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	67,606.90	16,901.73	85.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	63,308.96	15,827.24	80.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	55,714.87	13,928.72	70.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	46,493.80	11,623.45	58.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	38,513.84	9,628.46	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	32,035.96	8,008.99	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	26,662.71	6,665.68	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	22,149.44	5,537.36	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,259.43	4,564.86	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	14,873.74	3,718.44	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,922.63	2,980.66	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,354.26	2,338.56	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,098.07	1,774.52	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,094.32	1,273.58	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,502.85	875.71	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,303.78	575.94	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,332.34	333.09	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	496.59	124.15	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	89.94	22.49	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	134.47	33.62	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	612.46	153.12	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,209.54	302.39	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,850.91	462.73	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,697.30	674.32	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,985.91	996.48	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,374.78	1,343.70	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,841.04	1,710.26	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	8,430.97	2,107.74	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	10,119.23	2,529.81	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	11,977.07	2,994.27	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	13,873.32	3,468.33	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	15,737.19	3,934.30	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,667.10	4,416.78	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	19,817.40	4,954.35	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	22,162.57	5,540.64	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	25,194.20	6,298.55	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	28,372.70	7,093.18	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	32,714.45	8,178.61	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	35,220.83	8,805.21	44.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	37,120.30	9,280.07	47.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	40,296.06	10,074.02	51.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	45,399.16	12,257.77	57.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	53,533.33	7,494.67	67.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	70,362.10	5,628.97	89.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	69,144.98	14,520.45	87.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	65,269.06	16,317.27	82.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	58,722.10	14,680.52	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	48,958.22	12,239.56	62.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	40,417.98	10,104.49	51.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	33,420.32	8,355.08	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	27,687.21	6,921.80	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	22,877.70	5,719.42	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,760.13	4,690.03	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	15,186.66	3,796.66	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	12,083.04	3,020.76	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,407.16	2,351.79	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,068.92	1,767.23	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,000.99	1,250.25	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,386.90	846.72	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,179.29	544.82	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,197.30	299.33	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	378.94	94.74	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	84.87	21.22	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	223.05	55.76	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	792.03	198.01	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,417.21	354.30	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,133.63	533.41	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,187.85	796.96	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,589.84	1,147.46	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,080.57	1,520.14	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	7,670.19	1,917.55	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,406.84	2,351.71	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	11,252.84	2,813.21	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	13,261.98	3,315.50	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	15,232.63	3,808.16	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,214.96	4,303.74	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	19,364.70	4,841.17	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	21,802.23	5,450.56	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	24,704.29	6,176.07	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,793.66	6,948.41	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	31,902.69	7,975.67	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	35,282.59	8,820.65	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	37,145.42	9,286.35	47.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	39,533.99	9,883.50	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	43,372.22	10,843.06	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	51,988.08	9,357.85	65.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	54,692.62	2,734.63	69.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	70,802.08	1,416.04	89.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	70,429.74	10,564.46	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	67,032.69	16,758.17	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	61,474.96	15,368.74	77.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	51,617.35	12,904.34	65.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	42,465.29	10,616.32	53.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	34,889.31	8,722.33	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	28,739.73	7,184.93	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	23,629.06	5,907.27	29.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,272.66	4,818.17	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	15,506.82	3,876.70	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	12,244.81	3,061.20	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,453.30	2,363.33	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,028.25	1,757.06	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,895.99	1,224.00	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,261.44	815.36	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,044.73	511.18	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,049.62	262.41	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	270.80	67.70	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	112.65	28.16	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	390.38	97.59	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	992.77	248.19	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,643.97	410.99	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,466.92	616.73	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,791.05	947.76	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,275.82	1,318.96	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,891.04	1,722.76	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,619.96	2,154.99	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	10,524.02	2,631.01	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	12,555.23	3,138.81	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	14,687.09	3,671.77	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	16,679.32	4,169.83	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	18,919.73	4,729.93	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	21,327.62	5,331.91	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	24,160.44	6,040.11	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	27,177.17	6,794.29	34.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	31,070.81	7,767.70	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	35,020.16	8,755.04	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	37,004.18	9,251.05	46.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	39,425.36	9,856.34	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	42,796.96	10,699.24	54.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	50,615.39	10,629.23	64.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	55,996.06	4,479.68	70.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	70,648.28	7,064.83	89.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	68,727.07	15,119.95	87.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	63,637.90	15,909.47	80.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	54,584.96	13,646.24	69.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	44,705.13	11,176.28	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	36,470.39	9,117.60	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	29,844.67	7,461.17	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	24,411.19	6,102.80	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,791.23	4,947.81	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	15,830.28	3,957.57	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	12,396.60	3,099.15	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,477.30	2,369.32	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,963.92	1,740.98	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,764.34	1,191.08	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,119.56	779.89	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,893.27	473.32	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	891.23	222.81	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	194.14	48.54	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	143.73	35.93	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	585.81	146.45	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,234.43	308.61	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,936.83	484.21	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,903.36	725.84	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,419.45	1,104.86	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	6,063.58	1,515.90	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	7,843.80	1,960.95	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,720.96	2,430.24	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	11,804.99	2,951.25	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	13,978.08	3,494.52	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	16,149.96	4,037.49	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	18,348.65	4,587.16	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	20,844.56	5,211.14	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	23,547.57	5,886.89	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	26,828.18	6,707.05	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	30,188.27	7,547.07	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	34,382.82	8,595.70	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	36,706.65	9,176.66	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	39,041.67	9,760.42	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	42,176.85	10,544.21	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	49,242.47	11,325.77	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	57,162.60	6,287.89	72.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	70,429.90	2,817.20	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	69,712.19	11,851.07	88.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	65,609.52	16,402.38	83.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	57,852.28	14,463.07	73.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	47,196.45	11,799.11	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	38,261.31	9,565.33	48.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	31,104.55	7,776.14	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	25,312.97	6,328.24	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	20,406.75	5,101.69	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,223.56	4,055.89	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	12,600.80	3,150.20	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,535.92	2,383.98	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,918.74	1,729.69	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,646.37	1,161.59	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,983.40	745.85	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,749.53	437.38	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	747.50	186.87	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	143.90	35.97	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	176.91	44.23	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	718.67	179.67	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,352.96	338.24	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,137.58	534.39	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,367.41	841.85	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,979.82	1,244.95	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	6,746.26	1,686.57	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	8,694.61	2,173.65	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	10,823.73	2,705.93	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	13,159.48	3,289.87	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	15,544.74	3,886.19	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,834.03	4,458.51	22.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	20,251.10	5,062.78	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	23,028.92	5,757.23	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	26,135.68	6,533.92	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	29,388.91	7,347.23	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	33,426.52	8,356.63	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	36,466.53	9,116.63	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	38,690.75	9,672.69	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	41,915.23	10,478.81	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	47,276.73	12,764.72	59.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	57,174.92	8,004.49	72.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	69,953.36	8,394.40	88.6%	45.58	5.47	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	45.58	5.47	0.1%	45.58	5.47	0.1%
8:30 AM	66,719.53	16,012.69	84.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	60,626.40	15,156.60	76.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	49,902.60	12,475.65	63.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	40,331.65	10,082.91	51.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,555.10	8,138.77	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	26,354.06	6,588.52	33.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	21,133.72	5,283.43	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,700.26	4,175.06	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	12,867.50	3,216.87	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,648.01	2,412.00	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,915.44	1,728.86	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,561.50	1,140.37	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,867.20	716.80	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,617.64	404.41	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	621.48	155.37	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	122.07	30.52	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	268.87	67.22	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	935.60	233.90	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,654.19	413.55	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,478.84	619.71	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,854.58	963.65	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,524.96	1,381.24	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	7,352.20	1,838.05	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,399.51	2,349.88	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	11,659.97	2,914.99	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	14,166.99	3,541.75	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,693.49	4,173.37	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	19,277.33	4,819.33	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	22,049.76	5,512.44	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,164.00	6,291.00	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	28,428.83	7,107.21	36.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	31,936.68	7,984.17	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	35,630.93	8,907.73	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	38,259.06	9,564.77	48.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	41,461.24	10,365.31	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	46,022.65	11,505.66	58.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	54,516.84	10,358.20	69.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	57,577.54	3,454.65	73.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	69,566.20	4,173.97	88.1%	2,355.39	141.32	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,355.39	141.32	3.0%	2,355.39	141.32	3.0%
8:30 AM	67,672.61	12,181.07	85.7%	2,548.65	458.76	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,548.65	458.76	3.2%	2,548.65	458.76	3.2%
8:45 AM	62,407.42	15,601.85	79.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	52,717.70	13,179.43	66.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	42,640.10	10,660.03	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	34,228.78	8,557.19	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	27,555.95	6,888.99	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	21,979.78	5,494.95	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	17,281.96	4,320.49	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	13,221.08	3,305.27	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,823.06	2,455.77	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,959.49	1,739.87	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,511.81	1,127.95	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,780.80	695.20	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,505.55	376.39	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	517.69	129.42	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	136.73	34.18	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	420.25	105.06	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,128.46	282.11	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,898.66	474.67	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,856.81	714.20	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,357.69	1,089.42	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	6,087.01	1,521.75	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	7,994.70	1,998.67	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	10,140.81	2,535.20	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	12,504.82	3,126.20	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	15,111.29	3,777.82	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,702.94	4,425.73	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	20,499.44	5,124.86	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	23,517.54	5,879.38	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,988.67	6,747.17	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	29,996.46	7,499.12	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	33,753.69	8,438.42	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	36,609.94	9,152.48	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	39,951.34	9,987.84	50.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	44,189.46	11,047.36	56.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	51,606.72	11,353.48	65.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	58,064.63	5,806.46	73.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	69,504.84	9,035.63	88.1%	165.15	21.47	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	165.15	21.47	0.2%	165.15	21.47	0.2%
7:45 AM	64,187.71	16,046.93	81.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	56,202.20	14,050.55	71.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	45,258.41	11,314.60	57.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	36,148.38	9,037.09	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	28,980.33	7,245.08	36.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	23,013.70	5,753.43	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	18,009.65	4,502.41	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	13,697.78	3,424.44	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	10,095.96	2,523.99	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,083.65	1,770.91	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,538.87	1,134.72	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,739.01	684.75	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,432.51	358.13	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	445.54	111.38	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	159.92	39.98	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	557.95	139.49	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,313.74	328.44	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,132.83	533.21	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,250.98	812.74	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,813.94	1,203.48	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,599.31	1,649.83	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	8,578.98	2,144.74	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	10,807.71	2,701.93	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	13,274.87	3,318.72	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	15,954.29	3,988.57	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	18,724.78	4,681.19	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	21,748.20	5,437.05	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,025.50	6,256.38	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	28,162.05	7,040.51	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	31,391.05	7,847.76	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	34,615.61	8,653.90	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	37,809.09	9,452.27	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	41,741.62	10,435.41	52.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	48,268.86	12,067.21	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	57,209.14	8,581.37	72.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	58,203.05	1,746.09	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	69,743.35	4,882.03	88.4%	5,034.97	352.45	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,034.97	352.45	6.4%	5,034.97	352.45	6.4%
7:45 AM	66,525.07	12,639.76	84.3%	338.28	64.27	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	338.28	64.27	0.4%	338.28	64.27	0.4%
8:00 AM	59,658.99	14,914.75	75.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	48,685.00	12,171.25	61.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	38,437.58	9,609.40	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	30,596.52	7,649.13	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	24,220.03	6,055.01	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	18,903.22	4,725.80	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	14,323.68	3,580.92	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	10,484.48	2,621.12	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,296.48	1,824.12	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,637.67	1,159.42	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,746.58	686.64	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,402.56	350.64	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	405.03	101.26	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	179.81	44.95	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	675.35	168.84	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,481.07	370.27	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,349.03	587.26	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,602.38	900.60	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,199.97	1,299.99	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	7,034.05	1,758.51	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	9,076.37	2,269.09	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	11,388.76	2,847.19	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	13,940.39	3,485.10	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,765.16	4,191.29	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	19,716.10	4,929.03	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	22,957.18	5,739.29	29.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	26,256.06	6,564.02	33.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	29,118.84	7,279.71	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	32,582.55	8,145.64	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	35,510.95	8,877.74	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	39,154.88	9,788.72	49.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	44,113.52	11,028.38	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	52,917.32	11,112.64	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	57,396.92	5,165.72	72.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	70,216.11	702.16	89.0%	22.14	0.22	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	22.14	0.22	0.0%	22.14	0.22	0.0%
7:45 AM	69,627.80	9,051.61	88.2%	41.47	5.39	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	41.47	5.39	0.1%	41.47	5.39	0.1%
8:00 AM	63,070.69	15,767.67	79.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	52,907.42	13,226.85	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	41,641.45	10,410.36	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	32,728.62	8,182.16	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	25,654.15	6,413.54	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	19,981.43	4,995.36	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	15,120.38	3,780.10	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	11,021.58	2,755.39	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,644.66	1,911.17	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,842.52	1,210.63	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,820.74	705.18	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,426.80	356.70	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	401.41	100.35	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	193.74	48.43	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	755.95	188.99	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,614.66	403.66	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,543.50	635.87	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,901.28	975.32	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,523.51	1,380.88	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	7,406.71	1,851.68	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	9,509.02	2,377.26	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	11,898.48	2,974.62	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	14,524.19	3,631.05	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	17,476.74	4,369.19	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	20,601.22	5,150.30	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	24,036.92	6,009.23	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	26,906.13	6,726.53	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	30,118.29	7,529.57	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	33,399.30	8,349.83	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	36,695.13	9,173.78	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	41,500.21	10,375.05	52.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	47,521.60	11,880.40	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	55,623.72	8,343.56	70.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	56,789.45	1,703.68	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	70,807.88	5,664.63	89.7%	2,498.64	199.89	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,498.64	199.89	3.2%	2,498.64	199.89	3.2%
8:00 AM	66,104.09	13,220.82	83.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	57,925.40	14,481.35	73.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	45,584.12	11,396.03	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	35,496.46	8,874.11	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	27,592.19	6,898.05	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	21,302.58	5,325.64	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	16,101.24	4,025.31	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	11,721.33	2,930.33	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,129.33	2,032.33	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,163.81	1,290.95	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,973.98	743.49	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,504.50	376.13	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	431.93	107.98	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	202.44	50.61	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	799.44	199.86	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,706.37	426.59	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,819.13	704.78	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,311.87	1,077.97	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,933.21	1,483.30	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	7,852.25	1,963.06	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	9,985.64	2,496.41	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	12,426.31	3,106.58	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	15,031.57	3,757.89	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	18,100.00	4,525.00	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	21,512.10	5,378.03	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	25,422.32	6,355.58	32.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,220.60	7,055.15	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	31,559.50	7,889.88	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	34,736.16	8,684.04	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	39,086.44	9,771.61	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	44,589.82	11,147.45	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	51,145.96	11,763.57	64.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	56,830.36	6,251.34	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	71,252.53	1,425.05	90.3%	478.71	9.57	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	478.71	9.57	0.6%	478.71	9.57	0.6%
8:00 AM	70,118.03	10,517.70	88.8%	1,337.33	200.60	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,337.33	200.60	1.7%	1,337.33	200.60	1.7%
8:15 AM	62,098.53	15,524.63	78.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	50,310.29	12,577.57	63.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	38,929.18	9,732.29	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	30,011.60	7,502.90	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	23,104.94	5,776.23	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	17,337.44	4,334.36	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	12,627.13	3,156.78	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,766.52	2,191.63	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,628.27	1,407.07	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,224.40	806.10	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,652.58	413.15	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	508.75	127.19	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	203.89	50.97	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	788.81	197.20	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,737.54	434.38	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,009.08	752.27	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,652.25	1,163.06	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,355.24	1,588.81	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,390.31	2,097.58	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	10,627.25	2,656.81	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	13,129.84	3,282.46	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	15,764.41	3,941.10	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	19,066.84	4,766.71	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	22,828.18	5,707.04	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	26,654.57	6,663.64	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	29,427.48	7,356.87	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	32,773.23	8,193.31	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	36,165.05	9,041.26	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	41,265.24	10,316.31	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	46,957.86	11,739.46	59.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	53,744.38	10,748.88	68.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	57,688.90	4,615.11	73.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	71,633.40	6,447.01	90.8%	1,028.53	92.57	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,028.53	92.57	1.3%	1,028.53	92.57	1.3%
8:15 AM	65,785.22	13,814.90	83.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	55,353.96	13,838.49	70.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	42,980.23	10,745.06	54.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	32,802.87	8,200.72	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	25,175.68	6,293.92	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	18,906.52	4,726.63	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	13,774.43	3,443.61	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,547.35	2,386.84	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,212.71	1,553.18	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,578.14	894.54	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,867.90	466.98	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	636.94	159.24	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	197.36	49.34	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	727.69	181.92	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,642.92	410.73	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,852.63	713.16	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,728.82	1,182.21	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,642.39	1,660.60	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,815.72	2,203.93	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	11,198.41	2,799.60	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	13,816.31	3,454.08	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,514.73	4,128.68	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	19,903.08	4,975.77	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,840.84	5,960.21	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	27,573.91	6,893.48	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	30,316.70	7,579.18	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	33,521.30	8,380.32	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	37,219.50	9,304.88	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	42,720.95	10,680.24	54.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	48,221.11	12,055.28	61.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	55,990.42	10,078.28	70.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	58,811.16	2,940.56	74.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	71,919.50	2,876.78	91.1%	1,469.15	58.77	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,469.15	58.77	1.9%	1,469.15	58.77	1.9%
8:15 AM	69,328.74	11,785.89	87.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	59,910.87	14,977.72	75.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	47,383.10	11,845.77	60.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	35,865.18	8,966.29	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	27,459.49	6,864.87	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,638.82	5,159.71	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	15,122.48	3,780.62	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	10,515.08	2,628.77	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,906.18	1,726.55	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,041.72	1,010.43	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,149.41	537.35	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	820.13	205.03	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	181.58	45.40	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	612.06	153.01	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,642.76	410.69	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,067.70	766.93	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,902.92	1,225.73	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,728.22	1,682.06	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,979.66	2,244.92	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	11,442.71	2,860.68	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	14,174.31	3,543.58	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,900.36	4,225.09	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	20,327.52	5,081.88	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,289.28	6,072.32	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,071.79	7,017.95	35.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	30,752.34	7,688.08	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	33,799.10	8,449.78	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	37,629.69	9,407.42	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	43,280.18	10,820.05	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	48,764.32	12,191.08	61.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	57,140.94	9,713.96	72.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	59,698.37	2,984.92	75.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	72,092.95	8,651.15	91.3%	729.38	87.53	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	729.38	87.53	0.9%	729.38	87.53	0.9%
8:30 AM	63,717.54	15,929.38	80.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	51,517.34	12,879.33	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	39,183.63	9,795.91	49.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	29,822.21	7,455.55	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	22,466.79	5,616.70	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,561.76	4,140.44	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	11,623.09	2,905.77	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	7,742.01	1,935.50	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,646.69	1,161.67	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,496.95	624.24	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,063.88	265.97	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	207.99	52.00	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	447.79	111.95	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,445.08	361.27	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,765.66	691.42	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,697.66	1,174.42	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,580.06	1,645.02	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,846.07	2,211.52	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	11,330.55	2,832.64	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	14,151.28	3,537.82	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,850.92	4,212.73	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	20,270.51	5,067.63	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,135.48	6,033.87	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,054.39	7,013.60	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	30,774.64	7,693.66	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	33,689.51	8,422.38	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	37,404.22	9,351.06	47.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	42,970.17	10,742.54	54.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	48,550.21	12,137.55	61.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	56,645.24	10,196.14	71.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	60,272.66	3,616.36	76.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	72,153.58	5,772.29	91.4%	587.26	46.98	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	587.26	46.98	0.7%	587.26	46.98	0.7%
8:30 AM	66,408.15	13,945.71	84.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	55,105.79	13,776.45	69.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	42,273.24	10,568.31	53.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	32,019.53	8,004.88	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	24,184.60	6,046.15	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,953.44	4,488.36	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	12,745.67	3,186.42	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	8,602.01	2,150.50	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,309.08	1,327.27	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,899.97	724.99	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,352.31	338.08	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	303.73	75.93	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	275.55	68.89	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,218.40	304.60	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,431.97	607.99	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,349.32	1,087.33	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,227.61	1,556.90	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,454.08	2,113.52	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	10,897.33	2,724.33	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	13,746.41	3,436.60	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,398.78	4,099.69	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	19,748.96	4,937.24	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,451.59	5,862.90	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	27,652.58	6,913.15	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	30,423.24	7,605.81	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	33,296.31	8,324.08	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	36,651.81	9,162.95	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	41,963.71	10,490.93	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	47,589.24	11,897.31	60.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	55,382.47	11,630.32	70.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	60,497.97	4,839.84	76.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F4: HAYES VALLEY PLAYGROUND DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	19,364.66	2,130.11	72.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	17,429.76	4,008.84	65.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	15,496.50	3,874.13	58.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	14,193.90	3,548.47	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	12,811.75	3,202.94	48.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,423.12	2,855.78	43.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,212.64	2,553.16	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,341.57	2,335.39	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,604.38	2,151.09	32.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,976.52	1,994.13	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,416.64	1,854.16	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,920.81	1,730.20	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,549.59	1,637.40	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,224.59	1,556.15	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,930.48	1,482.62	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,658.59	1,414.65	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,413.20	1,353.30	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,177.35	1,294.34	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,944.45	1,236.11	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,691.39	1,172.85	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,446.93	1,111.73	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,204.89	1,051.22	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,971.35	992.84	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,800.72	950.18	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,751.41	937.85	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,682.43	920.61	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,738.34	934.59	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,769.56	942.39	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,822.00	955.50	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,852.91	963.23	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,901.90	975.47	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,931.89	982.97	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,974.43	993.61	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,000.80	1,000.20	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,036.73	1,009.18	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,060.57	1,015.14	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,090.97	1,022.74	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,139.27	1,034.82	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,279.92	1,069.98	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,434.40	1,108.60	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,599.48	1,149.87	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,731.02	1,182.76	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,829.46	1,207.37	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,918.95	1,229.74	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,005.23	1,251.31	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,103.39	1,275.85	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,441.82	1,360.45	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,103.22	1,525.80	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,499.33	1,624.83	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	7,151.64	1,787.91	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	10,273.45	3,082.04	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	21,424.60	3,856.43	80.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	19,421.30	1,942.13	73.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	17,742.50	3,903.35	66.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	15,700.88	3,925.22	59.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	14,373.69	3,593.42	54.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,017.63	3,254.41	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,590.14	2,897.53	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,347.99	2,587.00	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,450.91	2,362.73	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,694.17	2,173.54	32.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,054.69	2,013.67	30.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,484.84	1,871.21	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,981.16	1,745.29	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,594.33	1,648.58	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,265.09	1,566.27	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,967.28	1,491.82	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,692.49	1,423.12	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,444.52	1,361.13	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,207.09	1,301.77	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,976.46	1,244.12	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,722.06	1,180.51	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,476.64	1,119.16	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,233.89	1,058.47	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,998.54	999.63	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,814.14	953.53	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,762.02	940.51	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,693.31	923.33	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,739.38	934.84	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,770.89	942.72	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,823.36	955.84	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,854.39	963.60	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,903.96	975.99	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,934.16	983.54	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,977.41	994.35	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,004.16	1,001.04	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,040.57	1,010.14	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,064.77	1,016.19	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,095.86	1,023.96	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,124.98	1,031.25	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,265.10	1,066.28	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,418.90	1,104.72	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,584.03	1,146.01	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,725.27	1,181.32	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,827.27	1,206.82	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,917.56	1,229.39	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,005.74	1,251.43	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,103.19	1,275.80	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,420.39	1,355.10	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,090.24	1,522.56	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,500.84	1,625.21	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	7,056.50	1,764.12	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,914.91	2,974.47	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	21,279.06	3,830.23	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	19,593.17	1,175.59	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	18,310.23	3,478.94	68.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	16,093.43	4,023.36	60.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	14,667.17	3,666.79	55.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,324.59	3,331.15	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,826.39	2,956.60	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,531.76	2,632.94	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,620.14	2,405.03	36.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,824.14	2,206.03	33.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,166.52	2,041.63	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,582.23	1,895.56	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,066.78	1,766.70	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,658.57	1,664.64	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,322.81	1,580.70	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,019.62	1,504.91	22.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,740.81	1,435.20	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,489.02	1,372.25	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,248.91	1,312.23	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,019.07	1,254.77	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,762.99	1,190.75	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,515.61	1,128.90	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,271.15	1,067.79	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,033.91	1,008.48	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,843.34	960.83	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,781.96	945.49	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,713.34	928.34	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,752.37	938.09	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,784.41	946.10	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,837.23	959.31	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,868.77	967.19	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,918.98	979.74	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,949.84	987.46	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,994.00	998.50	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,021.45	1,005.36	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,059.17	1,014.79	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,084.07	1,021.02	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,116.53	1,029.13	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,138.69	1,034.67	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,251.79	1,062.95	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,405.91	1,101.48	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,571.48	1,142.87	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,729.55	1,182.39	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,838.05	1,209.51	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,933.71	1,233.43	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,025.42	1,256.36	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,129.01	1,282.25	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,470.32	1,367.58	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,160.43	1,540.11	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,579.76	1,644.94	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	7,089.93	1,772.48	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,842.05	2,952.62	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	20,807.25	3,745.31	78.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	19,864.02	595.92	74.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	19,180.71	2,877.11	72.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	16,826.30	4,206.57	63.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	15,086.94	3,771.74	56.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,704.20	3,426.05	51.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,127.37	3,031.84	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,800.11	2,700.03	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,838.34	2,459.59	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,995.01	2,248.75	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,309.53	2,077.38	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,706.81	1,926.70	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,175.80	1,793.95	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,741.32	1,685.33	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,396.76	1,599.19	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,086.54	1,521.63	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,802.93	1,450.73	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,546.27	1,386.57	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,301.86	1,325.47	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,070.36	1,267.59	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,813.33	1,203.33	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,563.09	1,140.77	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,315.91	1,078.98	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,076.25	1,019.06	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,880.25	970.06	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,810.93	952.73	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,742.39	935.60	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,777.18	944.29	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,810.38	952.59	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,863.27	965.82	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,895.94	973.99	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,946.90	986.72	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,978.87	994.72	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,024.17	1,006.04	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,052.91	1,013.23	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,092.00	1,023.00	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,118.67	1,029.67	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,153.05	1,038.26	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,177.14	1,044.29	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,240.08	1,060.02	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,395.82	1,098.96	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,563.18	1,140.80	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,740.16	1,185.04	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,862.83	1,215.71	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,967.73	1,241.93	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,065.41	1,266.35	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,182.61	1,295.65	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,589.22	1,397.30	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,320.27	1,580.07	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,746.82	1,686.70	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	7,254.33	1,813.58	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	10,098.83	2,827.67	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	19,911.02	2,986.65	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	20,287.26	2,637.34	76.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	17,604.80	4,225.15	66.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	15,628.95	3,750.95	58.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	14,109.71	3,527.43	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,474.39	3,118.60	46.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,141.45	2,785.36	41.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,084.35	2,521.09	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,198.50	2,299.62	34.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,472.23	2,118.06	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,849.58	1,962.39	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,300.69	1,825.17	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,836.98	1,709.25	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,481.87	1,620.47	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,163.41	1,540.85	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,874.39	1,468.60	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,612.54	1,403.13	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,362.86	1,340.71	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,127.61	1,281.90	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,869.37	1,217.34	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,615.20	1,153.80	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,364.61	1,091.15	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,122.23	1,030.56	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,921.61	980.40	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,848.17	962.04	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,779.30	944.82	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,814.61	953.65	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,848.99	962.25	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,902.36	975.59	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,936.33	984.08	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,988.25	997.06	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,021.63	1,005.41	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,068.61	1,017.15	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,098.66	1,024.66	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,140.04	1,035.01	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,168.58	1,042.14	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,205.66	1,051.41	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,232.23	1,058.06	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,265.29	1,066.32	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,390.63	1,097.66	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,561.27	1,140.32	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,751.22	1,187.80	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,903.91	1,225.98	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,022.00	1,255.50	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,130.63	1,282.66	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,301.16	1,325.29	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,801.48	1,450.37	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,590.35	1,647.59	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	7,019.02	1,754.75	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	7,597.04	1,899.26	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	10,599.23	2,649.81	39.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	18,509.32	2,406.21	69.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	20,904.21	1,254.25	78.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	19,185.78	3,645.30	72.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	16,325.22	4,081.30	61.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	14,571.05	3,642.76	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,947.52	3,236.88	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,524.02	2,881.01	43.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,368.62	2,592.16	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,429.73	2,357.43	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,657.55	2,164.39	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,012.13	2,003.03	30.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,443.03	1,860.76	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,949.77	1,737.44	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,579.50	1,644.88	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,252.66	1,563.16	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,956.68	1,489.17	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,688.94	1,422.24	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,433.00	1,358.25	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,192.84	1,298.21	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,932.00	1,233.00	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,673.46	1,168.37	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,418.82	1,104.70	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,172.59	1,043.15	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,968.59	992.15	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,893.91	973.48	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,824.55	956.14	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,864.40	966.10	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,900.05	975.01	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,954.05	988.51	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,989.34	997.33	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,042.55	1,010.64	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,077.72	1,019.43	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,126.41	1,031.60	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,158.68	1,039.67	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,202.60	1,050.65	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,233.80	1,058.45	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,274.20	1,068.55	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,304.25	1,076.06	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,341.51	1,085.38	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,389.21	1,097.30	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,564.98	1,141.24	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,761.40	1,190.35	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,957.35	1,239.34	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,096.58	1,274.14	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,229.20	1,307.30	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,534.95	1,383.74	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,204.56	1,551.14	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,944.56	1,736.14	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	7,401.84	1,850.46	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	8,142.07	2,035.52	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	11,671.35	2,450.98	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	16,902.81	1,521.25	63.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	21,562.52	431.25	81.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	20,889.80	3,133.47	78.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	17,372.93	4,343.23	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	15,017.20	3,754.30	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	13,484.89	3,371.22	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,910.00	2,977.50	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,659.60	2,664.90	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,667.18	2,416.79	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,850.15	2,212.54	33.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,181.05	2,045.26	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,591.28	1,897.82	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,075.09	1,768.77	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,682.80	1,670.70	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,347.41	1,586.85	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,045.99	1,511.50	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,770.14	1,442.54	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,506.86	1,376.72	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,261.19	1,315.30	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,996.71	1,249.18	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,732.72	1,183.18	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,473.45	1,118.36	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,223.00	1,055.75	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,018.14	1,004.53	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,946.84	986.71	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,876.64	969.16	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,926.82	981.71	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,964.15	991.04	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,018.92	1,004.73	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,055.87	1,013.97	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,110.67	1,027.67	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,148.08	1,037.02	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,198.90	1,049.72	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,233.70	1,058.42	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,280.41	1,070.10	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,315.10	1,078.78	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,359.73	1,089.93	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,393.99	1,098.50	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,436.50	1,109.12	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,471.10	1,117.78	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,577.78	1,144.45	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,783.18	1,195.80	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,013.60	1,253.40	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,191.72	1,297.93	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,387.20	1,346.80	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,894.34	1,473.58	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,732.75	1,683.19	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	7,395.29	1,848.82	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	7,960.44	1,990.11	29.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	8,915.75	2,228.94	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	13,507.08	2,026.06	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	15,366.95	461.01	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	21,758.87	1,958.30	81.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	18,519.75	3,889.15	69.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	15,660.84	3,915.21	58.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	13,913.66	3,478.42	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	12,302.03	3,075.51	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,964.25	2,741.06	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,916.09	2,479.02	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,054.05	2,263.51	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,357.43	2,089.36	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,747.82	1,936.95	29.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,214.38	1,803.59	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,794.84	1,698.71	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,453.41	1,613.35	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,142.33	1,535.58	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,857.73	1,464.43	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,586.61	1,396.65	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,334.41	1,333.60	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,064.75	1,266.19	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,794.80	1,198.70	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,529.82	1,132.46	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,274.98	1,068.75	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,071.09	1,017.77	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,007.30	1,001.83	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,942.72	985.68	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,001.50	1,000.37	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,040.72	1,010.18	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,096.40	1,024.10	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,135.47	1,033.87	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,192.37	1,048.09	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,232.50	1,058.12	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,285.80	1,071.45	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,323.67	1,080.92	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,374.35	1,093.59	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,412.52	1,103.13	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,462.13	1,115.53	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,501.87	1,125.47	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,551.32	1,137.83	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,593.25	1,148.31	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,644.36	1,161.09	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,816.55	1,204.14	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,064.67	1,266.17	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,328.80	1,332.20	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,758.41	1,439.60	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,548.14	1,637.04	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	7,328.00	1,832.00	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	8,026.66	2,006.66	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	8,769.25	2,981.54	33.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	14,107.44	2,962.56	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	21,433.56	857.34	80.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	19,932.25	3,388.48	75.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	16,267.80	4,066.95	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	14,322.86	3,580.71	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	12,706.00	3,176.50	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	11,285.27	2,821.32	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	10,174.90	2,543.72	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,276.55	2,319.14	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,542.34	2,135.59	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,914.14	1,978.53	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,364.11	1,841.03	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,920.89	1,730.22	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,570.43	1,642.61	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,247.29	1,561.82	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,952.98	1,488.25	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,672.95	1,418.24	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,413.38	1,353.34	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,137.46	1,284.37	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,860.87	1,215.22	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,589.64	1,147.41	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,330.25	1,082.56	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,132.97	1,033.24	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,075.44	1,018.86	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,028.65	1,007.16	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,088.12	1,022.03	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,129.13	1,032.28	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,186.49	1,046.62	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,228.08	1,057.02	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,287.25	1,071.81	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,330.77	1,082.69	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,387.16	1,096.79	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,429.10	1,107.28	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,484.11	1,121.03	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,527.14	1,131.78	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,582.18	1,145.55	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,628.45	1,157.11	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,686.73	1,171.68	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,738.17	1,184.54	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,801.54	1,200.38	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,863.79	1,215.95	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,130.09	1,282.52	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,549.37	1,387.34	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,274.24	1,568.56	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	7,311.32	1,827.83	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	8,096.62	2,024.16	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	8,920.68	2,230.17	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	10,025.61	2,706.91	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	13,384.01	1,873.76	50.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	20,644.68	2,270.92	77.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	17,031.98	3,917.35	64.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	14,684.98	3,671.24	55.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,052.73	3,263.18	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	11,583.34	2,895.84	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	10,417.63	2,604.41	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,487.13	2,371.78	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,719.34	2,179.83	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,076.24	2,019.06	30.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,516.56	1,879.14	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,054.41	1,763.60	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,689.30	1,672.32	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,353.43	1,588.36	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	6,049.16	1,512.29	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,759.89	1,439.97	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,492.71	1,373.18	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,208.41	1,302.10	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,924.81	1,231.20	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,646.87	1,161.72	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,382.94	1,095.74	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,209.16	1,052.29	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,149.66	1,037.41	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,127.13	1,031.78	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,187.56	1,046.89	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,230.77	1,057.69	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,290.22	1,072.55	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,334.96	1,083.74	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,396.93	1,099.23	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,444.09	1,111.02	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,504.59	1,126.15	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,551.42	1,137.86	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,611.94	1,152.99	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,660.89	1,165.22	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,723.57	1,180.89	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,777.55	1,194.39	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,845.80	1,211.45	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,909.71	1,227.43	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,989.02	1,247.25	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,070.09	1,267.52	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,273.16	1,318.29	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,976.70	1,494.17	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,123.59	1,780.90	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	8,175.30	2,043.83	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	9,162.15	2,290.54	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	10,294.93	2,573.73	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	12,133.19	2,305.31	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	13,100.91	786.05	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	19,685.48	1,181.13	74.0%	1,499.26	89.96	5.6%	1,499.26	89.96	5.6%	0.00	0.00	0.0%	1,499.26	89.96	5.6%	1,499.26	89.96	5.6%
7:45 AM	17,769.36	3,376.18	66.8%	304.01	57.76	1.1%	304.01	57.76	1.1%	0.00	0.00	0.0%	304.01	57.76	1.1%	304.01	57.76	1.1%
8:00 AM	15,047.49	3,761.87	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,352.27	3,338.07	50.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	11,878.79	2,969.70	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	10,664.45	2,666.11	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,700.82	2,425.21	36.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,903.54	2,225.88	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,251.70	2,062.92	31.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,689.00	1,922.25	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,198.26	1,799.57	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,817.52	1,704.38	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,467.87	1,616.97	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	6,152.55	1,538.14	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,853.38	1,463.34	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,577.90	1,394.47	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,283.93	1,320.98	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,992.39	1,248.10	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,707.48	1,176.87	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,446.55	1,111.64	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,293.15	1,073.29	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,231.51	1,057.88	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,237.15	1,059.29	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,298.89	1,074.72	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,344.58	1,086.14	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,406.82	1,101.70	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,455.02	1,113.75	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,520.59	1,130.15	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,571.85	1,142.96	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,637.71	1,159.43	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,690.27	1,172.57	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,758.41	1,189.60	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,814.66	1,203.67	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,886.91	1,221.73	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,951.04	1,237.76	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,032.10	1,258.03	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,110.12	1,277.53	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,210.27	1,302.57	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,350.37	1,337.59	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,738.53	1,434.63	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,649.02	1,662.26	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	8,028.25	2,007.06	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	9,320.46	2,330.12	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	10,671.24	2,667.81	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	13,134.49	3,020.93	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	14,468.97	1,591.59	54.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	18,744.67	2,436.81	70.5%	6,711.32	872.47	25.2%	6,711.32	872.47	25.2%	0.00	0.00	0.0%	6,711.32	872.47	25.2%	6,711.32	872.47	25.2%
8:00 AM	15,481.32	3,870.33	58.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,664.17	3,416.04	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,177.92	3,044.48	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	10,920.08	2,730.02	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,918.05	2,479.51	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,103.21	2,275.80	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,450.16	2,112.54	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,870.70	1,967.67	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,354.11	1,838.53	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,954.84	1,738.71	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,590.24	1,647.56	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	6,263.05	1,565.76	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,953.06	1,488.26	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,668.77	1,417.19	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,363.77	1,340.94	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,064.20	1,266.05	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,771.84	1,192.96	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,517.39	1,129.35	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,385.03	1,096.26	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,320.93	1,080.23	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,358.45	1,089.61	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,422.23	1,105.56	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,470.87	1,117.72	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,536.37	1,134.09	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,588.86	1,147.21	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,658.56	1,164.64	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,714.91	1,178.73	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,787.00	1,196.75	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,846.97	1,211.74	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,961.58	1,240.39	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,046.25	1,261.56	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,108.73	1,277.18	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,152.50	1,288.12	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,250.08	1,312.52	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,347.05	1,336.76	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,497.53	1,374.38	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,772.71	1,443.18	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,505.72	1,626.43	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,630.80	1,907.70	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	9,109.20	2,277.30	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	10,912.78	2,728.20	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	13,056.00	3,525.12	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	16,439.00	2,301.46	61.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	17,947.62	1,435.81	67.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	16,080.09	3,376.82	60.5%	1,474.92	309.73	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,474.92	309.73	5.5%	1,474.92	309.73	5.5%
8:15 AM	14,037.48	3,509.37	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,514.81	3,128.70	47.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	11,208.95	2,802.24	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	10,155.63	2,538.91	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,334.28	2,333.57	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,653.41	2,163.35	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,059.46	2,014.87	30.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,520.22	1,880.05	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	7,100.98	1,775.24	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,720.66	1,680.17	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	6,380.75	1,595.19	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,059.65	1,514.91	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,765.49	1,441.37	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,448.25	1,362.06	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,140.03	1,285.01	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,840.23	1,210.06	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,594.56	1,148.64	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,484.29	1,121.07	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,441.60	1,110.40	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,491.31	1,122.83	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,557.51	1,139.38	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,609.66	1,152.41	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,679.50	1,169.88	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,736.88	1,184.22	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,811.29	1,202.82	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,874.04	1,218.51	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,954.01	1,238.50	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,060.93	1,265.23	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,277.73	1,319.43	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,363.03	1,340.76	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,424.23	1,356.06	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,493.03	1,373.26	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,577.69	1,394.42	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,657.44	1,414.36	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,893.72	1,473.43	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,475.39	1,618.85	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,625.75	1,906.44	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	8,980.25	2,245.06	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	10,636.63	2,659.16	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	13,309.98	3,327.49	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	17,303.77	3,114.68	65.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	18,468.14	923.41	69.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	17,448.74	348.97	65.6%	9,124.67	182.49	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,124.67	182.49	34.3%	9,124.67	182.49	34.3%
8:00 AM	16,862.27	2,529.34	63.4%	9,661.02	1449.15	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,661.02	1449.15	36.3%	9,661.02	1449.15	36.3%
8:15 AM	14,717.45	3,679.36	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	13,148.57	3,287.14	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	11,801.25	2,950.31	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	10,638.79	2,659.70	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,737.10	2,434.28	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,984.69	2,246.17	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,348.72	2,087.18	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,773.55	1,943.39	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	7,322.57	1,830.64	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,902.65	1,725.66	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	6,537.49	1,634.37	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,181.53	1,545.38	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,872.45	1,468.11	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,538.57	1,384.64	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,221.18	1,305.30	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,914.18	1,228.54	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,680.64	1,170.16	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,591.67	1,147.92	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,583.45	1,145.86	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,635.30	1,158.83	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,704.73	1,176.18	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,761.05	1,190.26	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,836.23	1,209.06	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,899.10	1,224.78	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,979.23	1,244.81	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,049.64	1,262.41	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,142.00	1,285.50	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,430.38	1,357.59	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,647.31	1,411.83	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,696.19	1,424.05	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,801.02	1,450.25	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,910.57	1,477.64	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	6,061.59	1,515.40	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,222.99	1,555.75	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,771.99	1,693.00	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,642.73	1,910.68	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	8,950.50	2,237.62	33.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	10,686.13	2,671.53	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	13,170.20	3,292.55	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	18,005.99	3,781.26	67.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	20,663.57	1,653.09	77.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	17,563.66	1,756.37	66.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	15,839.11	3,484.61	59.6%	67.07	14.76	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	67.07	14.76	0.3%	67.07	14.76	0.3%
8:30 AM	14,077.09	3,519.27	52.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	12,630.23	3,157.56	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	11,337.20	2,834.30	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	10,329.84	2,582.46	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	9,501.27	2,375.32	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,831.17	2,207.79	33.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,212.96	2,053.24	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	7,737.40	1,934.35	29.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	7,289.20	1,822.30	27.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	6,894.48	1,723.62	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,502.93	1,625.73	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	6,168.98	1,542.24	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,788.76	1,447.19	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,447.26	1,361.82	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,088.16	1,272.04	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,863.90	1,215.97	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,739.48	1,184.87	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,756.91	1,189.23	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,796.85	1,199.21	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,866.89	1,216.72	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,925.07	1,231.27	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,006.77	1,251.69	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,075.82	1,268.95	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,163.10	1,290.78	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,242.82	1,310.70	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,549.05	1,387.26	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,836.29	1,459.07	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,945.18	1,486.29	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,069.20	1,517.30	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,236.55	1,559.14	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,391.42	1,597.86	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	6,553.34	1,638.33	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,926.86	1,731.71	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	8,165.25	2,041.31	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	9,867.94	2,466.99	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	11,370.86	2,842.71	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	12,731.02	3,182.75	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	17,657.28	4,061.17	66.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	22,257.07	2,448.28	83.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	17,882.91	715.32	67.3%	8,639.01	345.56	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,639.01	345.56	32.5%	8,639.01	345.56	32.5%
8:15 AM	17,138.03	2,913.47	64.5%	9,306.37	1582.08	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,306.37	1582.08	35.0%	9,306.37	1582.08	35.0%
8:30 AM	15,199.09	3,799.77	57.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,696.40	3,424.10	51.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	12,257.63	3,064.41	46.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	11,085.48	2,771.37	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	10,142.89	2,535.72	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	9,400.01	2,350.00	35.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,745.64	2,186.41	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	8,264.31	2,066.08	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	7,806.31	1,951.58	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,403.25	1,850.81	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,975.30	1,743.82	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	6,611.32	1,652.83	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	6,184.04	1,546.01	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,816.20	1,454.05	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,422.48	1,355.62	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,219.10	1,304.78	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,064.52	1,266.13	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,093.04	1,273.26	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,113.36	1,278.34	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,180.11	1,295.03	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,217.27	1,304.32	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,289.49	1,322.37	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,339.34	1,334.84	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,433.38	1,358.34	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,583.80	1,395.95	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,032.21	1,508.05	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,185.57	1,546.39	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,338.22	1,584.55	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,487.91	1,621.98	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,700.13	1,675.03	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,879.35	1,719.84	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	7,231.92	1,807.98	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	8,205.84	2,051.46	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	10,250.90	2,562.72	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	12,834.93	3,208.73	48.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	14,345.01	3,586.25	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	16,531.51	4,463.51	62.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	22,378.52	3,132.99	84.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	18,416.96	2,210.04	69.3%	42.89	5.15	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	42.89	5.15	0.2%	42.89	5.15	0.2%
8:30 AM	16,563.12	3,975.15	62.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	14,914.29	3,728.57	56.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	13,413.06	3,353.26	50.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	12,027.97	3,006.99	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	10,928.19	2,732.05	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	10,037.98	2,509.50	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,290.98	2,322.74	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	8,752.34	2,188.09	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	8,290.77	2,072.69	31.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,900.38	1,975.09	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,483.88	1,870.97	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	7,117.03	1,779.26	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	6,670.55	1,667.64	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	6,291.66	1,572.91	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,893.76	1,473.44	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,692.05	1,423.01	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,516.09	1,379.02	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,521.40	1,380.35	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,510.68	1,377.67	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,565.16	1,391.29	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,583.63	1,395.91	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,653.95	1,413.49	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,695.56	1,423.89	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,801.63	1,450.41	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,258.18	1,564.54	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,578.56	1,644.64	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,684.54	1,671.13	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,903.27	1,725.82	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	7,161.91	1,790.48	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	7,436.48	1,859.12	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	7,764.73	1,941.18	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	8,570.52	2,142.63	32.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	10,284.23	2,571.06	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	13,364.40	3,341.10	50.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	15,367.73	3,841.93	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	17,498.09	4,374.52	65.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	22,359.93	4,248.39	84.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	24,248.27	1,454.90	91.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	19,162.02	1,149.72	72.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	18,194.51	3,275.01	68.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	16,379.99	4,095.00	61.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	14,723.50	3,680.87	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	13,130.11	3,282.53	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	11,777.36	2,944.34	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	10,771.60	2,692.90	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,931.84	2,482.96	37.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	9,312.68	2,328.17	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	8,789.52	2,197.38	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,384.93	2,096.23	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,967.16	1,991.79	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	7,604.05	1,901.01	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	7,168.60	1,792.15	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	6,794.83	1,698.71	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	6,408.11	1,602.03	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	6,203.06	1,550.76	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,028.34	1,507.09	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,006.55	1,501.64	22.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,989.02	1,497.25	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,053.36	1,513.34	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	6,061.70	1,515.43	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	6,130.37	1,532.59	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	6,166.86	1,541.72	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,448.23	1,612.06	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	7,021.89	1,755.47	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	7,260.00	1,815.00	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	7,409.91	1,852.48	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	7,822.72	1,955.68	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,252.24	2,063.06	31.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,757.22	2,189.30	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	9,484.43	2,371.11	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	10,932.25	2,733.06	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	13,578.39	3,394.60	51.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	16,551.02	4,137.76	62.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	18,010.28	4,502.57	67.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	21,690.62	4,771.94	81.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	25,314.14	2,531.41	95.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	20,224.39	2,629.17	76.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	18,100.23	4,525.06	68.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	16,159.34	4,039.83	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	14,373.75	3,593.44	54.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,719.16	3,179.79	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	11,556.91	2,889.23	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	10,638.26	2,659.57	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,957.84	2,489.46	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	9,392.74	2,348.18	35.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,959.36	2,239.84	33.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,505.52	2,126.38	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	8,120.19	2,030.05	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	7,665.70	1,916.42	28.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,289.75	1,822.44	27.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,909.00	1,727.25	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	6,696.71	1,674.18	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	6,526.52	1,631.63	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	6,490.88	1,622.72	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	6,474.15	1,618.54	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	6,553.03	1,638.26	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,571.84	1,642.96	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,641.66	1,660.42	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,692.74	1,673.18	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,390.75	1,847.69	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,874.73	1,968.68	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	8,148.41	2,037.10	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	8,441.66	2,110.42	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,133.16	2,283.29	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,721.73	2,430.43	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	10,612.41	2,653.10	39.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	12,092.23	3,023.06	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	14,754.09	3,688.52	55.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	18,305.86	4,576.46	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	19,126.25	4,781.56	71.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	21,720.13	5,430.03	81.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	24,992.61	3,748.89	94.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	26,365.07	790.95	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	21,445.72	1,501.20	80.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	20,010.57	3,802.01	75.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	17,719.00	4,429.75	66.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	15,745.25	3,936.31	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	13,790.74	3,447.68	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	12,421.07	3,105.27	46.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	11,398.50	2,849.63	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	10,645.36	2,661.34	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	10,018.36	2,504.59	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	9,554.25	2,388.56	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,079.48	2,269.87	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	8,681.14	2,170.28	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	8,209.94	2,052.49	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,823.73	1,955.93	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,425.05	1,856.26	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	7,178.09	1,794.52	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	7,019.40	1,754.85	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	6,985.60	1,746.40	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	6,965.10	1,741.28	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	7,054.85	1,763.71	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	7,087.50	1,771.87	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	7,165.28	1,791.32	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	7,302.64	1,825.66	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	8,285.10	2,071.28	31.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	8,748.66	2,187.17	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	9,224.64	2,306.16	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	9,867.91	2,466.98	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	10,820.56	2,705.14	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	11,624.79	2,906.20	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	13,174.79	3,293.70	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	15,107.86	3,776.97	56.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	18,993.02	4,748.25	71.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	21,300.41	5,325.10	80.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	21,800.84	5,450.21	82.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	23,845.39	5,007.53	89.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	25,666.73	2,310.01	96.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	22,577.63	225.78	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	22,334.78	2,903.52	84.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	19,458.78	4,864.70	73.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	17,281.93	4,320.48	65.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	15,115.61	3,778.90	56.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,426.99	3,356.75	50.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	12,210.58	3,052.64	45.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	11,370.90	2,842.72	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	10,677.61	2,669.40	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	10,171.00	2,542.75	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,666.32	2,416.58	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	9,251.20	2,312.80	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	8,764.18	2,191.04	33.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,365.77	2,091.44	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,967.81	1,991.95	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	7,699.00	1,924.75	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	7,525.34	1,881.33	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	7,496.03	1,874.01	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	7,473.09	1,868.27	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	7,572.74	1,893.18	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	7,620.87	1,905.22	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	7,713.75	1,928.44	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	8,194.39	2,048.60	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	9,232.00	2,308.00	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	9,734.37	2,433.59	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	10,482.88	2,620.72	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	11,479.34	2,869.84	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	12,705.77	3,176.44	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	14,106.02	3,526.50	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,057.64	4,014.41	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	18,875.36	4,718.84	71.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	23,618.89	5,904.72	88.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	23,501.38	5,875.34	88.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,475.37	6,118.84	92.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,017.66	3,752.65	94.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	25,573.14	767.19	96.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	23,730.21	1,898.42	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	21,602.77	4,320.55	81.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	18,850.94	4,712.74	70.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	16,590.85	4,147.71	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	14,624.25	3,656.06	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	13,141.83	3,285.46	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	12,132.79	3,033.20	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	11,362.18	2,840.55	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	10,802.72	2,700.68	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	10,261.56	2,565.39	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	9,828.98	2,457.25	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,327.36	2,331.84	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,913.15	2,228.29	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	8,507.64	2,126.91	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	8,221.32	2,055.33	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	8,028.22	2,007.05	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	8,001.12	2,000.28	30.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	7,971.84	1,992.96	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	8,073.58	2,018.39	30.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	8,137.69	2,034.42	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,251.36	2,062.84	31.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	9,105.69	2,276.42	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	10,117.21	2,529.30	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	10,779.61	2,694.90	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	11,853.73	2,963.43	44.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	13,118.77	3,279.69	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	14,673.18	3,668.29	55.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,715.42	4,178.86	62.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	18,853.80	4,713.45	70.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	21,723.42	5,430.86	81.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,717.74	6,179.43	93.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,106.34	6,276.58	94.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,484.63	5,861.46	95.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	25,621.80	2,818.40	96.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	24,658.24	493.16	92.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	24,184.60	3,627.69	91.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	20,632.20	5,158.05	77.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	18,085.45	4,521.36	68.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	15,945.31	3,986.33	60.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	14,172.01	3,543.00	53.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	12,993.61	3,248.40	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	12,069.45	3,017.36	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	11,436.03	2,859.01	43.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	10,842.02	2,710.50	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	10,389.13	2,597.28	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,881.25	2,470.31	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,451.33	2,362.83	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	9,034.46	2,258.62	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	8,738.61	2,184.65	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	8,507.50	2,126.87	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	8,478.25	2,119.56	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	8,432.05	2,108.01	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	8,532.44	2,133.11	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	8,609.45	2,152.36	32.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,745.39	2,186.35	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	9,849.91	2,462.48	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	10,938.77	2,734.69	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	11,779.21	2,944.80	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	13,137.98	3,284.49	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	14,650.07	3,662.52	55.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,502.42	4,125.61	62.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	18,566.29	4,641.57	69.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	20,546.98	5,136.75	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	23,720.52	5,930.13	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,406.99	6,351.75	95.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,756.73	6,439.18	96.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,045.23	5,209.05	98.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	26,290.97	2,103.28	98.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	25,254.86	2,272.94	95.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	22,722.37	4,771.70	85.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	19,562.52	4,890.63	73.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,299.56	4,324.89	65.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	15,228.82	3,807.21	57.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	13,853.88	3,463.47	52.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	12,806.85	3,201.71	48.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	12,076.43	3,019.11	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	11,398.68	2,849.67	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	10,905.84	2,726.46	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,389.90	2,597.47	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,948.31	2,487.08	37.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	9,510.42	2,377.61	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	9,223.65	2,305.91	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	8,934.05	2,233.51	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	8,898.23	2,224.56	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	8,833.20	2,208.30	33.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	8,922.26	2,230.57	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	9,005.50	2,251.38	33.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	9,166.03	2,291.51	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	10,437.62	2,609.41	39.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	11,632.11	2,908.03	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	12,605.81	3,151.45	47.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	14,130.53	3,532.63	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	15,746.95	3,936.74	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	17,591.16	4,397.79	66.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	19,547.85	4,886.96	73.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	21,736.25	5,434.06	81.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,989.48	6,247.37	94.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,805.18	6,451.30	97.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	26,070.55	6,517.64	98.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,411.09	4,754.00	99.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	26,573.43	1,328.67	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	25,499.95	1,020.00	95.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	24,645.16	4,189.68	92.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	21,118.29	5,279.57	79.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	18,532.54	4,633.13	69.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	16,260.42	4,065.11	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	14,658.30	3,664.58	55.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	13,477.70	3,369.42	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	12,671.50	3,167.88	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	11,930.43	2,982.61	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	11,377.31	2,844.33	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,829.05	2,707.26	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	10,367.39	2,591.85	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	9,906.71	2,476.68	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	9,630.29	2,407.57	36.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	9,280.77	2,320.19	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	9,222.27	2,305.57	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	9,144.59	2,286.15	34.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	9,221.97	2,305.49	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	9,302.77	2,325.69	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	9,486.26	2,371.57	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	10,761.62	2,690.41	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	12,005.55	3,001.39	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	13,053.00	3,263.25	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	14,560.53	3,640.13	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,189.86	4,047.47	60.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	18,120.85	4,530.21	68.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	20,109.18	5,027.30	75.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	22,342.93	5,585.73	84.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,549.00	6,387.25	96.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,971.93	6,492.98	97.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	26,162.30	6,540.57	98.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,573.20	4,517.44	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	26,573.43	1,328.67	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	25,616.55	3,073.99	96.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	22,607.58	5,651.89	85.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	19,610.31	4,902.58	73.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	17,202.62	4,300.66	64.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	15,373.32	3,843.33	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	14,030.86	3,507.72	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	13,151.39	3,287.85	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	12,358.00	3,089.50	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	11,772.61	2,943.15	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,179.76	2,794.94	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	10,696.05	2,674.01	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	10,206.70	2,551.68	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	9,924.80	2,481.20	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	9,526.26	2,381.57	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	9,437.33	2,359.33	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	9,352.49	2,338.12	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	9,407.55	2,351.89	35.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	9,481.48	2,370.37	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	9,677.14	2,419.28	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	10,810.13	2,702.53	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	12,110.29	3,027.57	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	13,137.77	3,284.44	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	14,613.00	3,653.25	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,276.30	4,069.07	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	18,214.75	4,553.69	68.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	20,276.74	5,069.18	76.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	22,408.12	5,602.03	84.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,508.45	6,377.11	95.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	26,110.84	6,527.71	98.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	26,169.23	6,542.31	98.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,573.41	4,783.21	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	26,573.43	1,594.41	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	25,657.28	2,052.58	96.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	23,745.14	4,986.48	89.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	20,495.60	5,123.90	77.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	17,918.70	4,479.67	67.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	15,907.80	3,976.95	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	14,411.07	3,602.77	54.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	13,469.36	3,367.34	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	12,629.25	3,157.31	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	12,015.96	3,003.99	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,400.17	2,850.04	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	10,903.35	2,725.84	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	10,384.43	2,596.11	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	10,079.50	2,519.88	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	9,672.57	2,418.14	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	9,536.47	2,384.12	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	9,438.39	2,359.60	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	9,472.23	2,368.06	35.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	9,532.14	2,383.03	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	9,722.96	2,430.74	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	10,575.07	2,643.77	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	11,999.59	2,999.90	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	13,005.68	3,251.42	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	14,402.58	3,600.64	54.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,052.79	4,013.20	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	17,939.91	4,484.98	67.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	20,089.45	5,022.36	75.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	22,048.85	5,512.21	82.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,987.64	6,246.91	94.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	26,180.98	6,545.24	98.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	26,159.77	6,539.94	98.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	26,573.43	5,580.42	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	26,573.45	2,125.88	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F5: KOSHLAND PARK DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	2,601.44	286.16	7.3%	11,691.53	1286.07	32.7%	9,110.25	1002.13	25.5%	0.00	0.00	0.0%	11,691.53	1286.07	32.7%	11,691.53	1286.07	32.7%
7:00 AM	2,079.20	478.22	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	1,650.26	412.57	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	1,328.19	332.05	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,083.47	270.87	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	876.12	219.03	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	689.46	172.36	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	520.44	130.11	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	426.52	106.63	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	391.47	97.87	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	406.15	101.54	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	424.26	106.07	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	472.60	118.15	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	533.08	133.27	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	627.58	156.90	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	733.10	183.27	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	848.63	212.16	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	938.63	234.66	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,039.34	259.84	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,104.24	276.06	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,190.59	297.65	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,226.36	306.59	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,299.65	324.91	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,303.78	325.94	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,367.01	341.75	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,311.76	327.94	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,303.94	325.98	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,227.69	306.92	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,225.23	306.31	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,129.59	282.40	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,087.95	271.99	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	959.03	239.76	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	867.72	216.93	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	698.69	174.67	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	546.06	136.51	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	324.02	81.01	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	100.33	25.08	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5.91	1.48	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	78.88	19.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	449.61	112.40	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	1,260.47	315.12	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	3,220.75	805.19	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	7,037.23	2,111.17	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	16,024.86	2,884.48	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	2,599.50	259.95	7.3%	10,046.63	1004.66	28.1%	6,977.96	697.80	19.5%	0.00	0.00	0.0%	10,046.63	1004.66	28.1%	10,046.63	1004.66	28.1%
7:00 AM	2,150.97	473.21	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	1,704.35	426.09	4.8%	498.58	124.64	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	498.58	124.64	1.4%	498.58	124.64	1.4%
7:30 AM	1,368.53	342.13	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,116.15	279.04	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	905.02	226.26	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	715.44	178.86	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	544.19	136.05	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	444.27	111.07	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	401.71	100.43	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	412.08	103.02	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	430.57	107.64	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	476.90	119.23	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	534.92	133.73	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	626.30	156.57	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	732.33	183.08	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	849.27	212.32	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	941.10	235.28	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,043.44	260.86	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,110.26	277.56	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,198.01	299.50	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,235.87	308.97	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,310.31	327.58	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,316.63	329.16	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,379.84	344.96	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,334.58	333.64	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,324.14	331.03	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,247.65	311.91	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,246.94	311.74	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,153.69	288.42	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,114.85	278.71	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	988.38	247.10	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	900.52	225.13	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	734.43	183.61	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	585.69	146.42	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	367.17	91.79	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	146.87	36.72	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	4.45	1.11	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	71.96	17.99	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	409.47	102.37	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	1,217.72	304.43	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	2,992.70	748.18	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,719.31	2,015.79	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	15,912.67	2,864.28	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	2,594.16	155.65	7.3%	5,412.45	324.75	15.1%	850.28	51.02	2.4%	0.00	0.00	0.0%	5,412.45	324.75	15.1%	5,412.45	324.75	15.1%
7:00 AM	2,266.83	430.70	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	1,792.59	448.15	5.0%	2,901.08	725.27	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,901.08	725.27	8.1%	2,901.08	725.27	8.1%
7:30 AM	1,436.26	359.06	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,169.54	292.39	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	952.00	238.00	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	757.71	189.43	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	585.04	146.26	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	487.44	121.86	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	436.35	109.09	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	444.16	111.04	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	459.40	114.85	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	502.67	125.67	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	557.62	139.40	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	647.35	161.84	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	754.35	188.59	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	874.54	218.64	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	969.81	242.45	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,075.38	268.84	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,145.40	286.35	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,235.83	308.96	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,276.74	319.18	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,353.31	338.33	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,363.02	340.76	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,427.67	356.92	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,391.49	347.87	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,378.30	344.57	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,302.78	325.70	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,304.13	326.03	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,214.97	303.74	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,179.45	294.86	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,056.54	264.14	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	973.30	243.32	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	811.11	202.78	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	667.74	166.93	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	453.32	113.33	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	237.67	59.42	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5.68	1.42	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	77.25	19.31	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	440.86	110.22	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	1,289.13	322.28	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	2,960.11	740.03	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,690.78	2,007.24	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	15,569.83	2,802.57	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	2,588.55	77.66	7.2%	6,461.59	193.85	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,461.59	193.85	18.1%	6,461.59	193.85	18.1%
7:00 AM	2,430.56	364.58	6.8%	277.92	41.69	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	277.92	41.69	0.8%	277.92	41.69	0.8%
7:15 AM	1,917.72	479.43	5.4%	9,137.97	2284.49	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,137.97	2284.49	25.6%	9,137.97	2284.49	25.6%
7:30 AM	1,534.87	383.72	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,245.99	311.50	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,017.99	254.50	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	816.81	204.20	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	652.76	163.19	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	558.15	139.54	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	499.38	124.84	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	497.74	124.43	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	511.26	127.82	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	546.49	136.62	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	600.38	150.09	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	690.15	172.54	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	798.56	199.64	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	923.76	230.94	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,024.29	256.07	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,134.77	283.69	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,209.24	302.31	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,303.76	325.94	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,348.74	337.18	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,428.56	357.14	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,442.65	360.66	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,510.54	377.64	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,482.15	370.54	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,466.33	366.58	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,392.64	348.16	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,396.51	349.13	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,312.56	328.14	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,281.17	320.29	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,163.26	290.81	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,085.46	271.36	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	928.33	232.08	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	791.51	197.88	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	583.05	145.76	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	374.12	93.53	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	90.03	22.51	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	10.81	2.70	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	96.69	24.17	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	561.98	140.49	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	1,480.24	370.06	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	3,117.53	779.38	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	7,070.83	1,979.83	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	15,045.42	2,256.81	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	2,586.44	336.24	7.2%	8,764.73	1139.41	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,764.73	1139.41	24.5%	8,764.73	1139.41	24.5%
7:16 AM	2,042.58	490.22	5.7%	24,508.98	5882.15	68.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	24,508.98	5882.15	68.6%	24,508.98	5882.15	68.6%
7:30 AM	1,664.10	399.38	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,343.94	335.99	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,101.22	275.30	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	891.49	222.87	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	752.54	188.14	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	657.21	164.30	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	588.88	147.22	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	574.12	143.53	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	580.13	145.03	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	609.48	152.37	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	663.21	165.80	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	754.42	188.61	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	865.44	216.36	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	997.92	249.48	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,105.36	276.34	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,222.08	305.52	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,302.53	325.63	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,402.52	350.63	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,452.45	363.11	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,536.53	384.13	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,555.90	388.98	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,629.08	407.27	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,605.22	401.30	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,587.51	396.88	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,518.24	379.56	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,523.61	380.90	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,445.95	361.49	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,418.96	354.74	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,307.10	326.77	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,235.58	308.89	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,084.28	271.07	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	955.33	238.83	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	754.47	188.62	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	553.91	138.48	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	270.90	67.73	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	24.37	6.09	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	149.09	37.27	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	810.35	202.59	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	1,815.82	453.95	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	3,520.99	880.25	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	7,865.05	1,966.26	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	14,375.53	1,868.82	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	2,604.00	156.24	7.3%	24,007.20	1440.43	67.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	24,007.20	1440.43	67.2%	24,007.20	1440.43	67.2%
7:15 AM	2,307.72	438.47	6.5%	30,118.80	5722.57	84.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	30,118.80	5722.57	84.3%	30,118.80	5722.57	84.3%
7:30 AM	1,837.90	459.48	5.1%	755.76	188.94	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	755.76	188.94	2.1%	755.76	188.94	2.1%
7:45 AM	1,470.36	367.59	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,207.80	301.95	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	1,008.74	252.19	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	887.53	221.88	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	788.10	197.02	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	705.48	176.37	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	663.58	165.90	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	662.91	165.73	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	689.92	172.48	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	744.65	186.16	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	837.08	209.27	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	952.05	238.01	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,095.36	273.84	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,211.73	302.93	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,337.60	334.40	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,424.49	356.12	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,531.26	382.81	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,587.23	396.81	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,676.68	419.17	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,702.38	425.59	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,783.19	445.80	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,760.69	440.17	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,742.60	435.65	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,679.03	419.76	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,685.97	421.49	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,615.53	403.88	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,593.40	398.35	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,488.97	372.24	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,424.80	356.20	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,280.30	320.07	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,161.33	290.33	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	970.06	242.52	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	781.71	195.43	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	505.35	126.34	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	207.49	51.87	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	1.38	0.35	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	53.40	13.35	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	291.73	72.93	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	1,182.26	295.57	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	2,315.67	578.92	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	4,218.58	1,054.64	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,104.47	1,911.94	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	13,670.54	1,230.35	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	2,673.47	53.47	7.5%	18,171.23	363.42	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,171.23	363.42	50.8%	18,171.23	363.42	50.8%
7:15 AM	2,579.78	386.97	7.2%	14,799.86	2219.98	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,799.86	2219.98	41.4%	14,799.86	2219.98	41.4%
7:30 AM	2,068.25	517.06	5.8%	2,603.63	650.91	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,603.63	650.91	7.3%	2,603.63	650.91	7.3%
7:45 AM	1,634.59	408.65	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,345.69	336.42	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	1,186.70	296.68	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	1,058.10	264.53	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	946.33	236.58	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	832.20	208.05	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	763.70	190.93	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	760.39	190.10	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	785.84	196.46	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	841.29	210.32	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	937.73	234.43	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,060.42	265.10	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,217.69	304.42	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,345.12	336.28	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,481.42	370.36	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,576.55	394.14	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,691.42	422.86	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,754.47	438.62	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,850.23	462.56	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,883.06	470.76	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,974.00	493.50	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,946.22	486.56	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,930.95	482.74	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,873.90	468.47	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,883.35	470.84	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,820.67	455.17	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,804.06	451.02	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,708.19	427.05	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,651.53	412.88	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,514.83	378.71	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,408.14	352.03	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,228.43	307.11	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,054.63	263.66	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	790.17	197.54	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	502.58	125.65	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	110.50	27.63	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	14.24	3.56	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	110.90	27.73	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	638.99	159.75	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	1,714.92	428.73	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	3,035.83	758.96	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	5,325.69	1,331.42	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	11,340.43	1,701.06	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	13,098.08	392.94	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	2,805.72	252.52	7.8%	11,476.19	1032.86	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,476.19	1032.86	32.1%	11,476.19	1032.86	32.1%
7:30 AM	2,377.22	499.22	6.7%	16,241.39	3410.69	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,241.39	3410.69	45.4%	16,241.39	3410.69	45.4%
7:45 AM	1,867.05	466.76	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,582.02	395.51	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	1,416.65	354.16	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	1,256.89	314.22	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,100.69	275.17	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	966.51	241.63	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	878.67	219.67	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	867.04	216.76	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	896.99	224.25	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	955.77	238.94	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,058.96	264.74	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,190.89	297.72	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,363.52	340.88	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,504.43	376.11	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,653.24	413.31	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,758.10	439.53	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,882.50	470.63	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,953.84	488.46	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,057.02	514.26	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,097.99	524.50	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,202.47	550.62	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,161.99	540.50	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,153.53	538.38	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,103.26	525.81	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,116.70	529.18	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,062.58	515.65	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,052.77	513.19	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,966.56	491.64	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,918.08	479.52	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,790.65	447.66	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,699.68	424.92	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,534.69	383.67	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,377.81	344.45	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,130.83	282.71	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	863.45	215.86	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	476.00	119.00	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	36.78	9.20	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	1.21	0.30	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	54.88	13.72	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	304.48	76.12	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	1,197.94	299.49	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	2,443.84	610.96	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	4,029.95	1,370.18	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	12,735.41	2,674.44	35.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	2,970.17	118.81	8.3%	25,181.74	1007.27	70.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	25,181.74	1007.27	70.5%	25,181.74	1007.27	70.5%
7:30 AM	2,757.79	468.82	7.7%	15,213.49	2586.29	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,213.49	2586.29	42.6%	15,213.49	2586.29	42.6%
7:45 AM	2,225.61	556.40	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,895.40	473.85	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	1,639.93	409.98	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	1,419.28	354.82	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,248.63	312.16	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,109.85	277.46	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,012.00	253.00	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	990.31	247.58	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,026.19	256.55	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,087.60	271.90	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,198.14	299.53	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,340.30	335.07	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,531.36	382.84	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,688.86	422.22	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,852.34	463.09	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,968.84	492.21	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,104.41	526.10	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,185.44	546.36	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,297.38	574.34	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,353.90	588.48	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,468.79	617.20	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,410.10	602.52	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,411.00	602.75	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,368.57	592.14	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,386.97	596.74	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,342.53	585.63	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,340.84	585.21	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,265.40	566.35	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,226.41	556.60	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,112.12	528.03	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,040.19	510.05	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,893.28	473.32	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,757.15	439.29	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,535.03	383.76	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,298.37	324.59	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	933.16	233.29	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	489.41	122.35	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	22.76	5.69	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	151.59	37.90	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	812.69	203.17	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	1,926.75	481.69	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	3,406.23	851.56	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,392.37	1,455.94	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	12,230.88	1,712.32	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	3,172.83	349.01	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	2,641.76	607.60	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	2,157.06	539.26	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	1,816.43	454.11	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	1,581.04	395.26	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,407.16	351.79	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,269.06	317.26	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,162.89	290.72	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,127.45	281.86	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,169.32	292.33	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,236.60	309.15	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,356.80	339.20	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,512.51	378.13	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,725.74	431.43	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,902.73	475.68	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,083.53	520.88	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,213.72	553.43	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,362.55	590.64	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,454.33	613.58	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,576.76	644.19	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,653.27	663.32	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,773.19	693.30	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,688.78	672.19	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,706.67	676.67	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,671.85	667.96	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,697.28	674.32	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,662.81	665.70	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,670.15	667.54	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,605.28	651.32	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,576.43	644.11	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,482.11	620.53	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,431.76	607.94	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,305.98	576.49	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,197.70	549.43	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,008.43	502.11	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,814.50	453.63	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	1,478.82	369.70	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	1,087.88	271.97	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	493.22	123.31	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7.65	1.91	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	91.84	22.96	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	530.70	132.68	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	1,569.22	392.31	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	2,899.82	724.95	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	4,727.31	1,181.83	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	7,706.04	1,464.15	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	10,934.65	656.08	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	3,267.28	196.04	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	2,938.51	558.32	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	2,395.58	598.90	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	2,019.95	504.99	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	1,761.60	440.40	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,578.35	394.59	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,439.22	359.81	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,329.65	332.41	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,278.22	319.55	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,324.22	331.05	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,399.95	349.99	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,531.72	382.93	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,703.51	425.88	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,942.67	485.67	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,143.00	535.75	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,344.23	586.06	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,490.79	622.70	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,654.68	663.67	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,759.42	689.85	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,896.13	724.03	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,994.84	748.71	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,104.88	776.22	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,012.38	753.09	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,043.83	760.96	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,017.51	754.38	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,052.63	763.16	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,029.69	757.42	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,048.72	762.18	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,995.78	748.94	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,981.32	745.33	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,912.51	728.13	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,886.51	721.63	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,785.69	696.42	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,716.95	679.24	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,575.65	643.91	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,427.63	606.91	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,154.99	538.75	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	1,883.10	470.77	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	1,367.67	341.92	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	603.24	150.81	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	337.60	84.40	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	1,289.14	322.28	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	2,529.33	632.33	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,158.28	1,039.57	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,593.91	1,516.60	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	9,914.31	1,090.57	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	3,311.74	430.53	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	2,665.02	666.26	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	2,245.05	561.26	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	1,954.53	488.63	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,759.75	439.94	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,616.83	404.21	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,510.94	377.74	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,442.25	360.56	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,489.90	372.47	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,576.13	394.03	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,722.40	430.60	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,912.96	478.24	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,182.38	545.60	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,410.06	602.51	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,635.13	658.78	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,800.71	700.18	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,981.88	745.47	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,101.51	775.38	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,265.23	816.31	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,378.41	844.60	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,450.99	862.75	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,381.03	845.26	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,422.66	855.66	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,405.99	851.50	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,454.01	863.50	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,444.74	861.18	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,478.35	869.59	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,440.99	860.25	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,454.24	863.56	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,417.96	854.49	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,425.91	856.48	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,362.35	840.59	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,350.58	837.64	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,267.04	816.76	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,185.13	796.28	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,057.67	764.42	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,892.35	723.09	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,647.80	661.95	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	1,844.36	461.09	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	1,332.47	333.12	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	2,248.67	562.17	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,753.83	938.46	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,841.69	1,577.26	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	9,662.20	1,352.71	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	3,363.42	269.07	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	2,965.73	622.80	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	2,489.47	622.37	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,162.82	540.70	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,950.31	487.58	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,801.19	450.30	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,700.33	425.08	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,624.68	406.17	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,665.28	416.32	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,766.38	441.60	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,928.31	482.08	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,140.72	535.18	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,444.72	611.18	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,704.79	676.20	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,957.39	739.35	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,144.47	786.12	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,345.58	836.40	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,482.37	870.59	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,676.26	919.07	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,804.99	951.25	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,823.59	955.90	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,794.51	948.63	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,846.94	961.73	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,840.42	960.11	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,903.00	975.75	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,909.74	977.43	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,962.10	990.52	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,947.88	986.97	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,004.01	1,001.00	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,006.64	1,001.66	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,059.65	1,014.91	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,055.01	1,013.75	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,128.48	1,032.12	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,111.98	1,027.99	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,169.95	1,042.49	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,237.45	1,059.36	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,450.87	1,112.72	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,092.74	1,023.19	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,603.31	900.83	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,315.70	828.93	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,497.38	874.35	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,326.26	1,331.57	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	8,002.70	1,440.49	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	9,500.59	475.03	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	3,636.82	72.74	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	3,521.35	528.20	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	2,995.58	748.90	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,513.88	628.47	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,178.55	544.64	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,992.31	498.08	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,895.83	473.96	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,821.57	455.39	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,850.88	462.72	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,963.90	490.97	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,148.89	537.22	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,386.97	596.74	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,734.44	683.61	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,031.35	757.84	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,313.99	828.50	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,525.43	881.36	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,749.52	937.38	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,915.81	978.95	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,131.62	1,032.90	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,276.59	1,069.15	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,246.85	1,061.71	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,246.28	1,061.57	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,311.84	1,077.96	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,319.49	1,079.87	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,401.74	1,100.44	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,429.63	1,107.41	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,508.25	1,127.06	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,532.06	1,133.01	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,640.40	1,160.10	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,688.49	1,172.12	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,800.74	1,200.18	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,890.34	1,222.59	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,054.44	1,263.61	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,175.38	1,293.85	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,539.89	1,384.97	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,950.31	1,487.58	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,448.65	1,612.16	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,793.69	1,448.42	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,533.49	1,383.37	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,427.69	1,356.92	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,885.46	1,471.36	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	7,325.94	1,538.45	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	9,455.10	756.41	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	4,487.83	448.78	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	3,806.76	837.49	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	3,120.31	780.08	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,640.35	660.09	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	2,343.52	585.88	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,197.53	549.38	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,100.81	525.20	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,102.79	525.70	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,209.58	552.40	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,435.62	608.90	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,707.17	676.79	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,107.78	776.94	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,448.14	862.03	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,764.08	941.02	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,981.08	995.27	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,219.84	1,054.96	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,410.76	1,102.69	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,645.91	1,161.48	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,790.31	1,197.58	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,742.05	1,185.51	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,761.53	1,190.38	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,839.29	1,209.82	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,860.46	1,215.11	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,965.30	1,241.32	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,015.52	1,253.88	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,127.94	1,281.98	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,207.24	1,301.81	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,372.66	1,343.16	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,479.06	1,369.77	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,692.69	1,423.17	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,890.12	1,472.53	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,205.21	1,551.30	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,666.08	1,666.52	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	7,322.97	1,830.74	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	8,289.88	2,072.47	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	8,171.49	2,042.87	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,796.11	1,949.03	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,525.80	1,881.45	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,621.61	1,905.40	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	8,529.37	1,961.75	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	10,987.15	1,208.59	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	5,535.99	221.44	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,024.35	854.14	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,025.78	1,006.45	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,308.37	827.09	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	2,826.70	706.68	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,602.51	650.63	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,478.37	619.59	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,463.70	615.93	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,604.25	651.06	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,864.72	716.18	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,169.18	792.30	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,613.92	903.48	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,989.35	997.34	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,340.83	1,085.21	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,565.24	1,141.31	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,826.24	1,206.56	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,029.02	1,257.26	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,281.85	1,320.46	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,338.01	1,334.50	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,330.78	1,332.70	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,349.51	1,337.38	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,454.08	1,363.52	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,485.14	1,371.28	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,622.88	1,405.72	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,700.50	1,425.13	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,873.35	1,468.34	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,018.96	1,504.74	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,262.38	1,565.59	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,452.69	1,613.17	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,824.07	1,706.02	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	7,148.37	1,787.09	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	7,787.48	1,946.87	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,551.40	2,137.85	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	9,870.55	2,467.64	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	10,517.41	2,629.35	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	10,243.44	2,560.86	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	9,753.85	2,438.46	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	9,630.88	2,407.72	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	10,045.35	2,712.24	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	12,593.33	1,763.07	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	6,830.10	819.61	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,297.31	1,271.35	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,242.87	1,060.72	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,494.85	873.71	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,109.26	777.31	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,910.06	727.51	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,936.72	734.18	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,067.69	766.92	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,354.84	838.71	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,694.49	923.62	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,192.54	1,048.14	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,634.56	1,158.64	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,039.19	1,259.80	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,288.22	1,322.05	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,588.25	1,397.06	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,797.51	1,449.38	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	6,072.96	1,518.24	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,036.13	1,509.03	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,095.78	1,523.95	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,123.88	1,530.97	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,249.44	1,562.36	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	6,297.10	1,574.28	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	6,477.76	1,619.44	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	6,596.08	1,649.02	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,854.28	1,713.57	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	7,055.83	1,763.96	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	7,381.77	1,845.44	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	7,713.53	1,928.38	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	8,257.21	2,064.30	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,844.51	2,211.13	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	9,883.24	2,470.81	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	11,172.99	2,793.25	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	13,090.99	3,272.75	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	12,654.10	3,163.52	35.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	12,182.40	3,045.60	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	11,698.26	2,924.56	32.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	11,835.61	2,958.90	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	12,847.74	2,441.07	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	14,877.72	892.66	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	8,215.48	492.93	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,101.54	1,278.28	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,453.22	1,363.30	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,377.90	1,094.48	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,773.74	943.43	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,494.18	873.55	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,501.24	875.31	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,597.51	899.38	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,886.77	971.69	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,255.49	1,063.87	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,805.59	1,201.40	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,321.20	1,330.30	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,781.01	1,445.25	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	6,063.46	1,515.86	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	6,411.10	1,602.78	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	6,645.33	1,661.33	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	6,950.76	1,737.69	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	6,863.92	1,715.98	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,955.46	1,738.86	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	7,007.39	1,751.85	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,165.38	1,791.34	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,240.19	1,810.05	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	7,463.17	1,865.79	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	7,633.85	1,908.46	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	7,962.88	1,990.72	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,222.11	2,055.53	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	8,661.33	2,165.33	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,203.17	2,300.79	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,983.29	2,495.82	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	11,002.53	2,750.63	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	12,501.47	3,125.37	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	14,935.16	3,733.79	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	15,392.03	3,848.01	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	14,752.44	3,688.11	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	14,089.10	3,522.28	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	13,782.84	3,445.71	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	14,120.89	3,106.60	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	16,713.90	1,671.39	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	9,769.47	1,270.03	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	7,102.91	1,775.73	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,554.74	1,388.68	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,753.72	1,188.43	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,291.54	1,072.89	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,188.15	1,047.04	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,223.83	1,055.96	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,464.88	1,116.22	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,839.62	1,209.90	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,433.63	1,358.41	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,036.28	1,509.07	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,557.01	1,639.25	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,887.13	1,721.78	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	7,268.13	1,817.03	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	7,530.07	1,882.52	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	7,868.92	1,967.23	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	7,736.35	1,934.09	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	7,863.59	1,965.90	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	7,940.17	1,985.04	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	8,133.13	2,033.28	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	8,230.36	2,057.59	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	8,503.55	2,125.89	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	8,738.94	2,184.74	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	9,137.00	2,284.25	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	9,474.25	2,368.56	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	10,126.83	2,531.71	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	10,886.86	2,721.72	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	12,068.10	3,017.03	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	13,611.48	3,402.87	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,371.83	4,092.96	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	18,189.18	4,547.30	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,614.99	4,403.75	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	16,585.89	4,146.47	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	16,069.09	4,017.27	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	16,003.69	4,000.92	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	17,911.44	2,686.72	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	18,995.94	569.88	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	11,234.91	786.44	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	9,337.71	1,774.16	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	7,120.63	1,780.16	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,062.21	1,515.55	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,412.42	1,353.10	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,081.44	1,270.36	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,929.13	1,232.28	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,109.81	1,277.45	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,444.42	1,361.10	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,066.56	1,516.64	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,729.37	1,682.34	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	7,360.08	1,840.02	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	7,770.26	1,942.57	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,197.83	2,049.46	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	8,464.76	2,116.19	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	8,812.87	2,203.22	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	8,634.22	2,158.56	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	8,797.67	2,199.42	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	8,901.27	2,225.32	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	9,125.66	2,281.41	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	9,256.37	2,314.09	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	9,587.89	2,396.97	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	9,890.06	2,472.52	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	10,365.19	2,591.30	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	10,833.60	2,708.40	30.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	11,797.40	2,949.35	33.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	12,871.29	3,217.82	36.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	14,944.56	3,736.14	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	17,688.67	4,422.17	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	21,159.97	5,289.99	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	20,217.00	5,054.25	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	19,294.94	4,823.74	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	18,433.44	4,608.36	51.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	18,138.76	4,534.69	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	18,518.35	3,888.85	51.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	20,641.72	1,857.76	57.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	12,692.65	126.93	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	12,511.67	1,626.52	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	9,024.20	2,256.05	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,485.69	1,871.42	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,660.74	1,665.19	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,199.72	1,549.93	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,874.39	1,468.60	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,864.45	1,466.11	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,076.81	1,519.20	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,659.53	1,664.88	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,264.85	1,816.21	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	7,908.76	1,977.19	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	8,516.96	2,129.24	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,168.99	2,292.25	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	9,497.92	2,374.48	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	9,901.09	2,475.27	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	9,677.53	2,419.38	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	9,858.65	2,464.66	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	9,955.08	2,488.77	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	10,191.14	2,547.78	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	10,336.81	2,584.20	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	10,741.41	2,685.35	30.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	11,110.65	2,777.66	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	11,773.58	2,943.40	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	12,480.10	3,120.03	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	14,034.10	3,508.53	39.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	15,848.21	3,962.05	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	18,481.24	4,620.31	51.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	21,059.01	5,264.75	58.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	22,301.47	5,575.37	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	21,519.94	5,379.98	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	20,958.44	5,239.61	58.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	20,272.70	5,068.18	56.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	20,135.36	5,033.84	56.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	21,314.24	3,197.14	59.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	22,209.97	666.30	62.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	14,111.14	1,128.89	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,663.86	2,332.77	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	9,080.61	2,270.15	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,914.31	1,978.58	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	7,311.74	1,827.94	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,863.36	1,715.84	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,774.80	1,693.70	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,836.25	1,709.06	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,254.89	1,813.72	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,763.07	1,940.77	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	8,339.10	2,084.78	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	8,922.42	2,230.61	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,570.53	2,392.63	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	10,148.84	2,537.21	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	10,802.40	2,700.60	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	10,777.46	2,694.36	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	10,995.56	2,748.89	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	11,116.98	2,779.24	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	11,418.75	2,854.69	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	11,636.99	2,909.25	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	12,179.86	3,044.97	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	12,772.77	3,193.19	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	13,781.97	3,445.49	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	14,928.24	3,732.06	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,676.06	4,169.01	46.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	18,332.17	4,583.04	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	20,536.75	5,134.19	57.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	22,989.74	5,747.44	64.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	23,205.95	5,801.49	64.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	22,724.53	5,681.13	63.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	22,400.14	5,600.03	62.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	21,957.47	5,489.37	61.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	22,114.22	5,086.27	61.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	22,935.42	2,522.90	64.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	15,583.08	311.66	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	15,051.07	2,257.66	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,001.59	2,750.40	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,193.40	2,298.35	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,435.97	2,108.99	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,819.36	1,954.84	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,611.13	1,902.78	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,586.94	1,896.73	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,927.41	1,981.85	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,277.74	2,069.43	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	8,773.03	2,193.26	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,269.24	2,317.31	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	9,878.71	2,469.68	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	10,427.32	2,606.83	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	11,058.42	2,764.60	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	11,210.52	2,802.63	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	11,699.37	2,924.84	32.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	12,156.72	3,039.18	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	12,617.94	3,154.48	35.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	12,973.95	3,243.49	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	13,590.95	3,397.74	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	14,208.78	3,552.20	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	15,113.19	3,778.30	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,232.99	4,058.25	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	17,800.32	4,450.08	49.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	19,652.74	4,913.18	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	22,008.21	5,502.05	61.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	24,502.71	6,125.68	68.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,027.26	6,006.82	67.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	23,759.54	5,939.89	66.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	23,594.21	5,898.55	66.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	23,424.21	5,856.05	65.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	23,681.83	4,736.37	66.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	24,192.58	1,935.41	67.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	16,560.87	1,490.48	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,432.63	2,820.85	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,552.40	2,638.10	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,498.80	2,374.70	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,734.17	2,183.54	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,379.30	2,094.82	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,235.31	2,058.83	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,490.54	2,122.64	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,771.79	2,192.95	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	9,216.41	2,304.10	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,637.85	2,409.46	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	10,187.67	2,546.92	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	10,648.42	2,662.11	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	11,235.22	2,808.80	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	11,435.83	2,858.96	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	11,925.08	2,981.27	33.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	12,398.07	3,099.52	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	12,967.92	3,241.98	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	13,485.77	3,371.44	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	14,138.33	3,534.58	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	14,810.70	3,702.68	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	15,723.17	3,930.79	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,985.70	4,246.43	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	18,644.08	4,661.02	52.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	20,568.28	5,142.07	57.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	22,979.42	5,744.85	64.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,056.33	6,264.08	70.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,705.16	6,176.29	69.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,573.72	6,143.43	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	24,588.88	6,147.22	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	24,571.95	6,142.99	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	24,751.18	4,455.21	69.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	25,272.74	1,263.64	70.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	17,053.70	682.15	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	16,602.17	2,822.37	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,002.95	3,000.74	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	10,451.41	2,612.85	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,569.20	2,392.30	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,038.57	2,259.64	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,769.43	2,192.36	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,924.17	2,231.04	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,141.34	2,285.34	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	9,542.24	2,385.56	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,933.81	2,483.45	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	10,458.63	2,614.66	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	10,879.12	2,719.78	30.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	11,417.33	2,854.33	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	11,609.08	2,902.27	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	12,171.56	3,042.89	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	12,709.98	3,177.49	35.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	13,276.14	3,319.03	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	13,785.45	3,446.36	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	14,479.15	3,619.79	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	15,181.85	3,795.46	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,144.85	4,036.21	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	17,454.62	4,363.65	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	19,140.87	4,785.22	53.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	21,083.63	5,270.91	59.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,483.40	5,870.85	65.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,476.01	6,369.00	71.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,218.18	6,304.55	70.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,168.40	6,292.10	70.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,307.97	6,326.99	70.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,336.06	6,334.01	70.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,557.88	4,344.84	71.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	26,109.42	1,305.47	73.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	17,361.67	2,083.40	48.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	13,632.88	3,408.22	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	11,244.60	2,811.15	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	10,202.78	2,550.70	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,549.03	2,387.26	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	9,151.70	2,287.93	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	9,209.15	2,302.29	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,361.01	2,340.25	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	9,726.10	2,431.52	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,086.01	2,521.50	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	10,591.40	2,647.85	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	11,001.42	2,750.35	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	11,514.31	2,878.58	32.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	11,718.45	2,929.61	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	12,258.05	3,064.51	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	12,799.44	3,199.86	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	13,411.97	3,352.99	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	13,940.99	3,485.25	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	14,646.78	3,661.69	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	15,347.99	3,837.00	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,308.41	4,077.10	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	17,593.73	4,398.43	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	19,276.76	4,819.19	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	21,193.39	5,298.35	59.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,540.00	5,885.00	65.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,718.10	6,429.53	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,536.89	6,384.22	71.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,520.74	6,380.19	71.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,717.81	6,429.45	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,711.92	6,427.98	71.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,963.05	4,673.35	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	26,598.77	1,595.93	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	17,479.37	1,398.35	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	14,912.17	3,131.56	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	11,828.87	2,957.22	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	10,578.63	2,644.66	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,854.12	2,463.53	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	9,341.97	2,335.49	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	9,317.06	2,329.27	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	9,415.54	2,353.89	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	9,751.51	2,437.88	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	10,086.63	2,521.66	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	10,576.20	2,644.05	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	10,989.15	2,747.29	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	11,485.78	2,871.44	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	11,729.66	2,932.41	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	12,215.99	3,054.00	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	12,756.40	3,189.10	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	13,390.28	3,347.57	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	13,915.12	3,478.78	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	14,612.88	3,653.22	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	15,293.42	3,823.36	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,228.29	4,057.07	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	17,418.38	4,354.60	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	19,087.18	4,771.80	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	20,919.44	5,229.86	58.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	23,201.72	5,800.43	64.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	25,757.33	6,439.33	72.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	25,661.06	6,415.26	71.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	25,636.77	6,409.19	71.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	25,844.78	6,461.20	72.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,859.37	6,464.84	72.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,935.93	5,446.55	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	26,768.71	2,141.50	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F6: PAGE & LAGUNA MINI PARK DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	5,284.60	581.31	80.1%	1,310.57	144.16	19.9%	0.00	0.00	0.0%	868.24	95.51	13.2%	1,310.57	144.16	19.9%	1,310.57	144.16	19.9%
7:00 AM	5,218.78	1,200.32	79.1%	924.90	212.73	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	924.90	212.73	14.0%	924.90	212.73	14.0%
7:15 AM	5,129.50	1,282.37	77.8%	768.98	192.24	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	768.98	192.24	11.7%	768.98	192.24	11.7%
7:30 AM	5,013.60	1,253.40	76.0%	994.56	248.64	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	994.56	248.64	15.1%	994.56	248.64	15.1%
7:45 AM	4,917.37	1,229.34	74.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,835.31	1,208.83	73.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,684.05	1,171.01	71.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,263.93	1,065.98	64.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,860.21	965.05	58.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,495.33	873.83	53.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,149.38	787.35	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,825.98	706.50	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,522.55	630.64	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,242.71	560.68	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,985.21	496.30	30.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,747.67	436.92	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,525.26	381.31	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,317.55	329.39	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,119.14	279.78	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	932.55	233.14	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	754.10	188.53	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	595.10	148.78	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	434.14	108.53	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	288.65	72.16	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	272.35	68.09	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	301.23	75.31	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	446.07	111.52	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	604.51	151.13	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	777.48	194.37	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	960.91	240.23	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,150.03	287.51	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,340.52	335.13	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,537.18	384.29	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,736.28	434.07	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,965.85	491.46	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,224.56	556.14	33.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,513.28	628.32	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,816.07	704.02	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,139.36	784.84	47.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,482.77	870.69	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,879.94	969.98	58.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,336.44	1,084.11	65.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,711.92	1,177.98	71.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,002.30	1,250.57	75.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,273.99	1,318.50	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,483.84	1,370.96	83.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,588.08	1,397.02	84.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,522.27	1,380.57	83.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,454.51	1,363.63	82.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	6,003.71	1,500.93	91.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,595.17	1,978.55	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	6,595.17	1,187.13	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	5,283.48	528.35	80.1%	1,311.69	131.17	19.9%	0.00	0.00	0.0%	852.70	85.27	12.9%	1,311.69	131.17	19.9%	1,311.69	131.17	19.9%
7:00 AM	5,227.72	1,150.10	79.3%	866.88	190.71	13.1%	0.00	0.00	0.0%	175.41	38.59	2.7%	866.88	190.71	13.1%	866.88	190.71	13.1%
7:15 AM	5,140.64	1,285.16	77.9%	763.43	190.86	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	763.43	190.86	11.6%	763.43	190.86	11.6%
7:30 AM	5,026.33	1,256.58	76.2%	1,169.15	292.29	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,169.15	292.29	17.7%	1,169.15	292.29	17.7%
7:45 AM	4,927.15	1,231.79	74.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,847.03	1,211.76	73.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,724.10	1,181.02	71.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,322.78	1,080.70	65.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,912.17	978.04	59.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,543.60	885.90	53.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,193.09	798.27	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,865.10	716.27	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,557.67	639.42	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,274.26	568.56	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,013.95	503.49	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,774.06	443.52	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,549.64	387.41	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,340.28	335.07	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,140.46	285.12	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	952.57	238.14	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	772.00	193.00	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	611.71	152.93	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	449.97	112.49	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	303.35	75.84	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	270.50	67.62	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	298.95	74.74	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	432.57	108.14	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	590.04	147.51	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	762.44	190.61	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	945.21	236.30	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,133.94	283.49	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,326.76	331.69	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,522.94	380.73	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,721.37	430.34	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,949.39	487.35	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,205.54	551.39	33.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,493.31	623.33	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,797.91	699.48	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,119.84	779.96	47.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,461.08	865.27	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,854.39	963.60	58.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,308.52	1,077.13	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,696.96	1,174.24	71.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,987.30	1,246.82	75.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,262.56	1,315.64	79.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,475.17	1,368.79	83.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,599.26	1,399.81	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,533.58	1,383.40	83.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,466.09	1,366.52	82.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	5,904.01	1,476.00	89.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,595.17	1,978.55	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	6,595.17	1,187.13	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	5,279.61	316.78	80.1%	1,192.40	71.54	18.1%	0.00	0.00	0.0%	823.99	49.44	12.5%	1,192.40	71.54	18.1%	1,192.40	71.54	18.1%
7:00 AM	5,238.76	995.36	79.4%	1,034.30	196.52	15.7%	0.00	0.00	0.0%	776.49	147.53	11.8%	1,034.30	196.52	15.7%	1,034.30	196.52	15.7%
7:15 AM	5,153.43	1,288.36	78.1%	1,276.67	319.17	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,276.67	319.17	19.4%	1,276.67	319.17	19.4%
7:30 AM	5,041.48	1,260.37	76.4%	797.79	199.45	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	797.79	199.45	12.1%	797.79	199.45	12.1%
7:45 AM	4,939.01	1,234.75	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,860.39	1,215.10	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,760.69	1,190.17	72.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,411.24	1,102.81	66.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,991.93	997.98	60.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,615.67	903.92	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,257.22	814.31	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,917.34	729.33	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,602.08	650.52	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,313.35	578.34	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,048.81	512.20	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,805.39	451.35	27.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,577.86	394.46	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,365.92	341.48	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,163.96	290.99	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	974.23	243.56	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	790.72	197.68	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	627.98	156.99	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	464.74	116.19	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	316.51	79.13	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	270.37	67.59	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	299.12	74.78	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	425.25	106.31	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	582.42	145.61	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	754.94	188.74	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	937.82	234.45	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,127.00	281.75	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,325.10	331.28	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,522.60	380.65	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,722.69	430.67	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,951.20	487.80	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,208.29	552.07	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,498.18	624.54	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,809.18	702.29	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,132.65	783.16	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,474.83	868.71	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,872.42	968.10	58.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,330.21	1,082.55	65.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,719.79	1,179.95	71.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,003.62	1,250.90	75.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,279.02	1,319.75	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,498.30	1,374.57	83.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,619.62	1,404.91	85.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,554.05	1,388.51	84.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,486.79	1,371.70	83.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	5,841.60	1,460.40	88.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,595.17	1,978.55	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	6,595.17	1,187.13	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	5,272.92	158.19	80.0%	993.09	29.79	15.1%	0.00	0.00	0.0%	776.72	23.30	11.8%	993.09	29.79	15.1%	993.09	29.79	15.1%
7:00 AM	5,252.96	787.94	79.6%	1,342.21	201.33	20.4%	0.00	0.00	0.0%	754.60	113.19	11.4%	1,342.21	201.33	20.4%	1,342.21	201.33	20.4%
7:15 AM	5,167.20	1,291.80	78.3%	823.68	205.92	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	823.68	205.92	12.5%	823.68	205.92	12.5%
7:30 AM	5,059.37	1,264.84	76.7%	581.32	145.33	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	581.32	145.33	8.8%	581.32	145.33	8.8%
7:45 AM	4,953.01	1,238.25	75.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,875.55	1,218.89	73.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,792.97	1,198.24	72.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,529.18	1,132.29	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,101.21	1,025.30	62.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,711.71	927.93	56.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,337.10	834.27	50.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,981.00	745.25	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,654.79	663.70	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,359.12	589.78	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,088.83	522.21	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,840.74	460.19	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,609.09	402.27	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,393.74	348.44	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,187.85	296.96	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	995.50	248.87	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	807.10	201.77	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	642.78	160.70	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	477.48	119.37	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	327.90	81.98	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	271.76	67.94	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	300.96	75.24	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	422.90	105.73	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	581.96	145.49	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	755.29	188.82	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	939.01	234.75	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,129.77	282.44	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,329.30	332.32	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,536.21	384.05	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,739.58	434.90	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,970.91	492.73	29.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,233.17	558.29	33.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,528.17	632.04	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,843.11	710.78	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,180.12	795.03	48.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,525.60	881.40	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,934.30	983.57	59.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,404.03	1,101.01	66.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,780.22	1,195.06	72.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,064.51	1,266.13	76.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,318.96	1,329.74	80.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,555.22	1,388.81	84.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,648.48	1,412.12	85.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,582.89	1,395.72	84.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,515.93	1,378.98	83.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	5,812.38	1,453.10	88.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,595.17	1,846.65	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	6,595.17	989.28	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	5,264.31	684.36	79.8%	1,330.86	173.01	20.2%	0.00	0.00	0.0%	327.72	42.60	5.0%	1,330.86	173.01	20.2%	1,330.86	173.01	20.2%
7:16 AM	5,174.75	1,241.94	78.5%	1,348.81	323.72	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,348.81	323.72	20.5%	1,348.81	323.72	20.5%
7:30 AM	5,078.50	1,218.84	77.0%	545.20	130.85	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	545.20	130.85	8.3%	545.20	130.85	8.3%
7:45 AM	4,969.61	1,242.40	75.4%	53.92	13.48	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	53.92	13.48	0.8%	53.92	13.48	0.8%
8:00 AM	4,893.32	1,223.33	74.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,829.23	1,207.31	73.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,663.48	1,165.87	70.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,236.37	1,059.09	64.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,824.62	956.15	58.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,422.36	855.59	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,049.37	762.34	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,711.02	677.75	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,406.86	601.71	36.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,129.68	532.42	32.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,875.89	468.97	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,636.20	409.05	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,415.20	353.80	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,203.94	300.99	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,008.71	252.18	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	817.64	204.41	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	651.08	162.77	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	484.89	121.22	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	334.38	83.60	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	274.87	68.72	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	305.21	76.30	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	427.70	106.93	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	588.46	147.11	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	764.54	191.14	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	951.55	237.89	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,144.68	286.17	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,346.78	336.70	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,557.21	389.30	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,775.84	443.96	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,011.77	502.94	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,283.51	570.88	34.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,586.58	646.65	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,908.88	727.22	44.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,268.60	817.15	49.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,623.43	905.86	54.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,050.26	1,012.57	61.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,536.28	1,134.07	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,883.06	1,220.77	74.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,163.42	1,290.86	78.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,390.67	1,347.67	81.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,652.91	1,413.23	85.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,684.08	1,421.02	86.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,618.44	1,404.61	85.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,551.67	1,387.92	84.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	5,834.86	1,458.71	88.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	6,595.17	857.37	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	5,254.14	315.25	79.7%	1,341.03	80.46	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,341.03	80.46	20.3%	1,341.03	80.46	20.3%
7:15 AM	5,202.53	988.48	78.9%	585.40	111.23	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	585.40	111.23	8.9%	585.40	111.23	8.9%
7:30 AM	5,091.71	1,272.93	77.2%	358.58	89.64	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	358.58	89.64	5.4%	358.58	89.64	5.4%
7:45 AM	5,000.39	1,250.10	75.8%	1,200.31	300.08	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,200.31	300.08	18.2%	1,200.31	300.08	18.2%
8:00 AM	4,929.81	1,232.45	74.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,880.51	1,220.13	74.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,812.98	1,203.24	73.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,397.83	1,099.46	66.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,937.30	984.33	59.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,510.93	877.73	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,122.41	780.60	47.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,771.33	692.83	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,456.46	614.11	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,166.48	541.62	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,903.48	475.87	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,657.83	414.46	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,432.40	358.10	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,217.11	304.28	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,019.00	254.75	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	824.92	206.23	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	656.08	164.02	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	488.86	122.21	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	337.51	84.38	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	279.69	69.92	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	311.92	77.98	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	439.07	109.77	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	601.42	150.36	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	780.37	195.09	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	971.19	242.80	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,168.96	292.24	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,376.21	344.05	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,590.33	397.58	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,815.34	453.83	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,069.17	517.29	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,358.61	589.65	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,672.58	668.15	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,007.89	751.97	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,379.44	844.86	51.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,771.48	942.87	57.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,223.27	1,055.82	64.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,683.39	1,170.85	71.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,011.16	1,252.79	76.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,289.98	1,322.49	80.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,535.87	1,383.97	83.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,772.10	1,443.03	87.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,725.87	1,431.47	86.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,660.11	1,415.03	85.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,593.49	1,398.37	84.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	5,904.44	1,476.11	89.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,595.17	1,384.98	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	6,595.17	593.57	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	5,238.55	104.77	79.4%	537.13	10.74	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	537.13	10.74	8.1%	1,356.62	27.13	20.6%
7:15 AM	5,220.35	783.05	79.2%	523.26	78.49	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	523.26	78.49	7.9%	1,374.83	206.22	20.8%
7:30 AM	5,122.73	1,280.68	77.7%	1,050.33	262.58	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,050.33	262.58	15.9%	1,050.33	262.58	15.9%
7:45 AM	5,057.17	1,264.29	76.7%	905.32	226.33	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	905.32	226.33	13.7%	905.32	226.33	13.7%
8:00 AM	4,995.62	1,248.90	75.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,981.37	1,245.34	75.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,940.12	1,235.03	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,535.29	1,133.82	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,037.11	1,009.28	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,594.72	898.68	54.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,189.64	797.41	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,819.96	704.99	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,491.51	622.88	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,193.57	548.39	33.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,924.24	481.06	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,673.11	418.28	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,443.03	360.76	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,223.81	305.95	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,022.60	255.65	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	825.61	206.40	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	654.87	163.72	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	486.57	121.64	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	334.62	83.66	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	286.93	71.73	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	321.92	80.48	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	459.66	114.91	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	624.51	156.13	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	807.58	201.90	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,002.14	250.53	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,204.30	301.08	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,418.05	354.51	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,639.53	409.88	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,872.79	468.20	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,140.56	535.14	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,459.03	614.76	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,793.50	698.37	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,145.97	786.49	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,533.94	883.49	53.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,963.48	990.87	60.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,464.95	1,116.24	67.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,880.82	1,220.20	74.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,177.71	1,294.43	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,441.31	1,360.33	82.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,729.91	1,432.48	86.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,853.72	1,463.43	88.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,771.51	1,442.88	87.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,705.54	1,426.39	86.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,639.12	1,409.78	85.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	6,087.44	1,521.86	92.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	6,595.17	989.28	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	6,595.17	197.86	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	5,264.14	473.77	79.8%	942.53	84.83	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	942.53	84.83	14.3%	1,331.03	119.79	20.2%
7:30 AM	5,220.44	1,096.29	79.2%	1,088.54	228.59	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,088.54	228.59	16.5%	1,088.54	228.59	16.5%
7:45 AM	5,156.26	1,289.06	78.2%	248.28	62.07	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	248.28	62.07	3.8%	248.28	62.07	3.8%
8:00 AM	5,106.26	1,276.57	77.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,078.95	1,269.74	77.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,963.99	1,241.00	75.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,656.80	1,164.20	70.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,129.50	1,032.37	62.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,662.91	915.73	55.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,242.28	810.57	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,861.14	715.29	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,522.64	630.66	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,216.50	554.12	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,940.58	485.14	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,683.71	420.93	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,448.98	362.25	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,225.50	306.37	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,020.85	255.21	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	821.21	205.30	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	648.48	162.12	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	479.48	119.87	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	327.29	81.82	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	296.34	74.08	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	335.25	83.81	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	488.14	122.04	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	656.65	164.16	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	844.85	211.21	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,044.14	261.04	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,251.81	312.95	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,471.25	367.81	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,699.03	424.76	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,943.98	485.99	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,233.03	558.26	33.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,567.10	641.77	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,935.14	733.78	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,322.89	830.72	50.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,733.93	933.48	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,198.15	1,049.54	63.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,740.56	1,185.14	71.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,109.27	1,277.32	77.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,393.24	1,348.31	81.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,635.47	1,408.87	85.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,951.78	1,487.95	90.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,929.32	1,482.33	89.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,831.87	1,457.97	88.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,754.37	1,438.59	87.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,687.56	1,933.77	86.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	6,595.16	1,384.98	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	5,456.30	218.25	82.7%	1,015.38	40.62	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,015.38	40.62	15.4%	1,131.88	45.28	17.2%
7:30 AM	5,413.37	920.27	82.1%	470.94	80.06	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	470.94	80.06	7.1%	1,149.38	195.39	17.4%
7:45 AM	5,287.78	1,321.95	80.2%	40.67	10.17	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	40.67	10.17	0.6%	40.67	10.17	0.6%
8:00 AM	5,194.71	1,298.68	78.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,066.10	1,266.52	76.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,942.43	1,235.61	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,734.44	1,183.61	71.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,209.71	1,052.43	63.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,725.59	931.40	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,293.07	823.27	49.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,900.30	725.08	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,552.46	638.11	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,236.66	559.16	33.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,953.69	488.42	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,691.00	422.75	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,451.16	362.79	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,223.39	305.85	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,015.21	253.80	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	812.87	203.22	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	638.23	159.56	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	468.77	117.19	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	316.91	79.23	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	308.63	77.16	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	359.97	89.99	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	522.92	130.73	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	696.71	174.18	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	890.79	222.70	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,095.94	273.98	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,310.15	327.54	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,536.12	384.03	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,771.98	443.00	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,027.32	506.83	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,342.62	585.66	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,697.07	674.27	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,091.66	772.91	46.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,516.17	879.04	53.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,983.01	995.75	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,497.48	1,124.37	68.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,964.44	1,241.11	75.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,324.00	1,331.00	80.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,639.83	1,409.96	85.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,953.83	1,488.46	90.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,032.29	1,508.07	91.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,973.93	1,493.48	90.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,920.89	1,480.22	89.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,805.83	1,451.46	88.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	5,739.40	1,549.64	87.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	6,595.17	923.32	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	5,512.15	606.34	83.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,083.02	119.13	16.4%
7:45 AM	5,363.39	1,233.58	81.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,195.49	1,298.87	78.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,043.80	1,260.95	76.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,905.79	1,226.45	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,785.03	1,196.26	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,366.63	1,091.66	66.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,891.76	972.94	59.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,423.70	855.93	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,995.09	748.77	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,593.83	648.46	39.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,246.86	561.71	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,957.24	489.31	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,688.99	422.25	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,444.39	361.10	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,212.39	303.10	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,000.85	250.21	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	796.33	199.08	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	620.51	155.13	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	451.28	112.82	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	301.19	75.30	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	325.25	81.31	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	398.43	99.61	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	567.36	141.84	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	748.75	187.19	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	950.10	237.53	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,162.23	290.56	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,384.28	346.07	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,617.91	404.48	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,865.96	466.49	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,146.23	536.56	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,477.60	619.40	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,851.33	712.83	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,274.12	818.53	49.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,738.39	934.60	56.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,258.89	1,064.72	64.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,806.46	1,201.62	72.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,171.79	1,292.95	78.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,535.28	1,383.82	83.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,910.40	1,477.60	89.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,233.55	1,558.39	94.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,122.41	1,530.60	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,046.34	1,511.58	91.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,998.84	1,499.71	91.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,898.72	1,474.68	89.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,356.15	1,207.67	96.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	6,595.17	395.71	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	5,497.10	329.83	83.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	5,395.07	1,025.06	81.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,196.97	1,299.24	78.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,022.94	1,255.74	76.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,945.29	1,236.32	75.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,008.86	1,252.21	75.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,769.23	1,192.31	72.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,205.05	1,051.26	63.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,629.86	907.46	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,116.14	779.03	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,646.68	661.67	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,255.16	563.79	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,957.37	489.34	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,683.39	420.85	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,433.80	358.45	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,197.71	299.43	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	982.95	245.74	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	776.17	194.04	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	599.44	149.86	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	431.13	107.78	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	301.20	75.30	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	345.45	86.36	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	446.67	111.67	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	617.44	154.36	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	808.44	202.11	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,017.83	254.46	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,237.60	309.40	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,468.27	367.07	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,711.06	427.77	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,973.25	493.31	29.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,281.51	570.38	34.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,630.90	657.73	39.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,029.04	757.26	45.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,479.53	869.88	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,986.27	996.57	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,574.46	1,143.62	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,024.13	1,256.03	76.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,389.39	1,347.35	81.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,765.71	1,441.43	87.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,221.85	1,555.46	94.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,297.39	1,574.35	95.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,269.19	1,567.30	95.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,187.96	1,546.99	93.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,113.64	1,528.41	92.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,993.78	1,378.57	90.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	6,595.17	725.47	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	5,453.02	708.89	82.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,208.52	1,302.13	79.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,099.94	1,274.99	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,146.23	1,286.56	78.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,248.37	1,312.09	79.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,154.28	1,288.57	78.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,598.40	1,149.60	69.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,887.62	971.91	58.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,268.55	817.14	49.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,715.71	678.93	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,261.63	565.41	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,953.78	488.45	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,674.06	418.52	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,419.46	354.86	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,179.33	294.83	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	961.05	240.26	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	752.72	188.18	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	575.56	143.89	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	409.03	102.26	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	316.19	79.05	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	370.39	92.60	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	500.10	125.02	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	674.98	168.75	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	875.96	218.99	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,094.04	273.51	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,322.37	330.59	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,562.81	390.70	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,818.53	454.63	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,102.08	525.52	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,431.40	607.85	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,805.56	701.39	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,229.95	807.49	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,710.42	927.61	56.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,269.26	1,067.31	64.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,826.07	1,206.52	73.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,221.85	1,305.46	79.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,642.23	1,410.56	85.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,146.92	1,536.73	93.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,305.30	1,576.32	95.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,281.43	1,570.36	95.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,415.62	1,603.90	97.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,403.67	1,600.92	97.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,233.85	1,683.14	94.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	6,075.22	850.53	92.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	5,428.71	434.30	82.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,345.02	1,122.45	81.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,345.73	1,336.43	81.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,379.24	1,344.81	81.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,472.13	1,368.03	83.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,523.49	1,380.87	83.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,078.56	1,269.64	77.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,225.67	1,056.42	64.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,461.73	865.43	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,802.30	700.58	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,266.34	566.58	34.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,946.57	486.64	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,661.10	415.27	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,401.58	350.39	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,157.49	289.37	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	935.73	233.93	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	726.35	181.59	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	549.33	137.33	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	386.14	96.54	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	337.89	84.47	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	402.23	100.56	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	558.14	139.53	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	740.07	185.02	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	951.38	237.85	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,178.70	294.68	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,416.37	354.09	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,667.64	416.91	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,937.98	484.49	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,247.52	561.88	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,599.20	649.80	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,000.77	750.19	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,452.12	863.03	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,970.97	992.74	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,555.26	1,138.81	69.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,024.21	1,256.05	76.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,475.97	1,368.99	83.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,009.83	1,502.46	91.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,332.61	1,583.15	96.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,339.10	1,584.78	96.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,353.92	1,588.48	96.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,474.34	1,618.58	98.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,541.57	1,635.39	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,372.08	1,146.97	96.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	6,303.49	315.17	95.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	5,666.25	113.32	85.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,659.61	848.94	85.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,582.74	1,395.69	84.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,597.89	1,399.47	84.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,678.96	1,419.74	86.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,824.67	1,456.17	88.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,569.19	1,392.30	84.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,743.14	1,185.79	71.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,791.23	947.81	57.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,965.30	741.32	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,299.17	574.79	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,936.80	484.20	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,645.65	411.41	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,381.37	345.34	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,133.25	283.31	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	908.04	227.01	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	698.32	174.58	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	522.13	130.53	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	364.22	91.06	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	363.08	90.77	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	448.44	112.11	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	618.05	154.51	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	809.70	202.43	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,032.33	258.08	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,270.09	317.52	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,518.83	379.71	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,784.53	446.13	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,073.03	518.26	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,404.19	601.05	36.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,782.42	695.60	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,212.05	803.01	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,692.83	923.21	56.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,261.96	1,065.49	64.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,777.98	1,194.50	72.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,247.83	1,311.96	79.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,824.59	1,456.15	88.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,286.44	1,571.61	95.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,361.69	1,590.42	96.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,476.71	1,619.18	98.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,523.76	1,630.94	98.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,595.17	1,384.99	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	6,566.69	525.34	99.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	5,874.41	587.44	89.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,798.23	1,275.61	87.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,790.36	1,447.59	87.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,907.04	1,476.76	89.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,130.35	1,532.59	93.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,124.98	1,531.25	92.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,276.54	1,319.14	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,150.05	1,037.51	62.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,171.17	792.79	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,361.09	590.27	35.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,925.04	481.26	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,628.55	407.14	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,359.36	339.84	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,107.12	276.78	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	878.69	219.67	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	669.40	167.35	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	495.12	123.78	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	344.98	86.25	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	388.77	97.19	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	506.46	126.62	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	686.42	171.60	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	886.86	221.71	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,114.80	278.70	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,363.83	340.96	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,623.64	405.91	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,906.60	476.65	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,215.21	553.80	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,570.76	642.69	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,975.39	743.85	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,432.20	858.05	52.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,954.96	988.74	60.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,514.09	1,128.52	68.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,988.99	1,247.25	75.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,559.60	1,389.90	84.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,177.22	1,544.31	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,314.96	1,578.74	95.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,333.52	1,583.38	96.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,483.64	1,620.91	98.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,581.81	1,645.45	99.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,595.17	1,516.89	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	6,595.17	725.47	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	6,016.42	240.66	91.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,979.99	1,016.60	90.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,989.10	1,497.28	90.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,153.41	1,538.35	93.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,456.33	1,614.08	97.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,464.44	1,616.11	98.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,697.12	1,424.28	86.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,419.57	1,104.89	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,309.27	827.32	50.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,396.46	599.12	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,916.01	479.00	29.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,614.00	403.50	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,339.63	334.91	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,083.17	270.79	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	851.50	212.87	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	642.73	160.68	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	471.42	117.85	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	354.04	88.51	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	415.66	103.91	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	548.20	137.05	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	718.47	179.62	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	942.26	235.56	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,198.34	299.58	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,458.21	364.55	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,731.25	432.81	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,028.51	507.13	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,355.40	588.85	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,736.60	684.15	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,165.35	791.34	48.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,654.81	913.70	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,207.94	1,051.98	63.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,714.65	1,178.66	71.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,257.83	1,314.46	79.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,952.05	1,488.01	90.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,188.72	1,547.18	93.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,279.30	1,569.83	95.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,321.69	1,580.42	95.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,436.25	1,609.06	97.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,595.17	1,780.70	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	6,595.17	923.32	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	6,146.51	737.58	93.2%	61.44	7.37	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	61.44	7.37	0.9%	61.44	7.37	0.9%
8:30 AM	6,185.03	1,484.41	93.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,424.96	1,606.24	97.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,586.14	1,646.54	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,006.76	1,501.69	91.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,661.84	1,165.46	70.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,392.26	848.06	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,425.22	606.31	36.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,911.76	477.94	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,602.67	400.67	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,322.87	330.72	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,062.11	265.53	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	826.94	206.73	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	618.78	154.70	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	451.33	112.83	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	376.62	94.15	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	442.42	110.61	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	610.19	152.55	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	793.37	198.34	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,024.72	256.18	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,280.11	320.03	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,551.02	387.75	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,835.37	458.84	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,145.71	536.43	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,494.44	623.61	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,895.74	723.94	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,351.86	837.96	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,877.55	969.39	58.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,424.92	1,106.23	67.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,950.76	1,237.69	75.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,660.71	1,415.18	85.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	6,030.69	1,507.67	91.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,139.07	1,534.77	93.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,227.76	1,556.94	94.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,312.67	1,578.17	95.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,595.16	1,253.08	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	6,595.17	395.71	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	6,300.10	378.01	95.5%	55.68	3.34	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	55.68	3.34	0.8%	55.68	3.34	0.8%
8:30 AM	6,372.57	1,147.06	96.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,278.71	1,569.68	95.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,981.37	1,245.34	75.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,521.45	880.36	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,478.90	619.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,942.48	485.62	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,625.69	406.42	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,334.76	333.69	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,063.43	265.86	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	815.39	203.85	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	605.74	151.44	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	439.07	109.77	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	401.11	100.28	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	481.10	120.28	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	660.05	165.01	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	846.42	211.60	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,091.33	272.83	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,356.58	339.14	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,637.87	409.47	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,932.90	483.23	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,255.76	563.94	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,625.19	656.30	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,052.53	763.13	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,537.26	884.31	53.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,098.44	1,024.61	62.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,627.55	1,156.89	70.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,289.55	1,322.39	80.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,837.75	1,459.44	88.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,984.29	1,496.07	90.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,087.12	1,521.78	92.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,176.98	1,544.24	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,571.58	1,642.90	99.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,595.17	1,450.94	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	6,595.17	659.52	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	6,595.17	857.37	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,543.50	1,635.87	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,493.67	1,373.42	83.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,834.60	958.65	58.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,636.64	659.16	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,063.05	515.76	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,725.98	431.49	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,417.81	354.45	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,138.81	284.70	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	875.25	218.81	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	662.48	165.62	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	491.23	122.81	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	478.76	119.69	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	566.14	141.54	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	753.43	188.36	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	937.28	234.32	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,198.23	299.56	18.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,469.76	367.44	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,769.83	442.46	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,075.17	518.79	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,416.62	604.15	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,798.72	699.68	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,251.13	812.78	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,751.53	937.88	56.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,298.94	1,074.74	65.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,878.76	1,219.69	74.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,606.99	1,401.75	85.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,829.37	1,457.34	88.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,934.17	1,483.54	90.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,049.03	1,512.26	91.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,426.96	1,606.74	97.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,595.16	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	6,595.17	989.28	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	6,595.17	197.86	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	6,595.17	461.66	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	6,595.17	1,253.08	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,115.81	1,528.95	92.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,339.46	1,084.87	65.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,963.23	740.81	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,220.37	555.09	33.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,880.67	470.17	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,572.63	393.16	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,293.71	323.43	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,024.08	256.02	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	812.42	203.10	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	643.35	160.84	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	645.36	161.34	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	733.06	183.27	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	923.79	230.95	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,105.30	276.32	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,376.76	344.19	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,653.10	413.28	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,966.32	491.58	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,281.08	570.27	34.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,625.73	656.43	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,012.14	753.03	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,476.97	869.24	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,986.48	996.62	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,565.46	1,141.37	69.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,251.28	1,312.82	79.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,692.73	1,423.18	86.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,875.62	1,468.90	89.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,045.89	1,511.47	91.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,191.13	1,547.78	93.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,595.17	1,384.99	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	6,595.17	593.57	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	6,595.17	65.95	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	6,595.17	857.37	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,472.51	1,618.13	98.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,966.38	1,241.60	75.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,365.59	841.40	51.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,436.53	609.13	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,048.08	512.02	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,743.52	435.88	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,472.04	368.01	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,207.62	301.91	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	998.27	249.57	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	836.74	209.19	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	846.71	211.68	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	934.97	233.74	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,121.46	280.37	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,296.88	324.22	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,567.96	391.99	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,843.78	460.94	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,166.97	541.74	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,502.35	625.59	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,899.64	724.91	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,342.39	835.60	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,831.80	957.95	58.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,330.54	1,082.64	65.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,959.51	1,239.88	75.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,628.92	1,407.23	85.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,898.37	1,474.59	89.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,102.17	1,525.54	92.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,239.56	1,559.89	94.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,467.79	1,616.95	98.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,595.17	989.27	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	6,595.17	197.86	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	6,595.17	527.61	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	6,595.17	1,319.03	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,656.69	1,414.17	85.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,908.18	977.04	59.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,752.78	688.19	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,278.41	569.60	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,932.48	483.12	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,653.83	413.46	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,389.19	347.30	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,183.46	295.87	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,033.01	258.25	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,046.30	261.57	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,131.87	282.97	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,311.80	327.95	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,479.44	369.86	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,742.41	435.60	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,014.03	503.51	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,352.96	588.24	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,729.83	682.46	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,187.60	796.90	48.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,672.54	918.14	55.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,195.42	1,048.86	63.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,732.53	1,183.13	71.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,429.71	1,357.43	82.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,929.59	1,482.40	89.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,110.24	1,527.56	92.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,295.95	1,573.99	95.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,411.87	1,602.97	97.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,516.89	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	6,595.17	725.47	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	6,595.17	131.90	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	6,595.16	989.27	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,289.40	1,572.35	95.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,509.80	1,127.45	68.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,148.69	787.17	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,529.72	632.43	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,165.58	541.40	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,862.65	465.66	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,576.37	394.09	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,363.28	340.82	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,214.12	303.53	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,216.80	304.20	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,304.37	326.09	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,479.03	369.76	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,638.76	409.69	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,887.78	471.95	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,153.28	538.32	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,506.42	626.61	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,920.53	730.13	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,423.35	855.84	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,934.79	983.70	59.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,522.87	1,130.72	68.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,071.96	1,267.99	76.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,800.71	1,450.18	88.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,098.34	1,524.58	92.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,258.45	1,564.61	94.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,417.76	1,604.44	97.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,544.90	1,636.23	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,319.03	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	6,595.17	527.61	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	6,595.17	593.57	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,595.17	1,384.99	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,578.56	1,644.64	99.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,142.34	1,285.58	78.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,644.29	911.07	55.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,768.68	692.17	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,388.26	597.06	36.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,073.56	518.39	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,768.46	442.11	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,538.10	384.52	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,377.92	344.48	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,359.64	339.91	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,440.93	360.23	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,600.28	400.07	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,744.66	436.16	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,983.51	495.88	30.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,258.68	564.67	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,618.42	654.61	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,056.94	764.23	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,590.75	897.69	54.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,123.69	1,030.92	62.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,767.10	1,191.78	72.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,321.51	1,330.38	80.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,047.70	1,511.93	91.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,199.94	1,549.98	94.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,357.27	1,589.32	96.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,496.96	1,624.24	98.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,594.79	1,648.70	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,187.13	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	6,595.17	329.76	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	6,595.17	263.81	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,595.17	1,121.18	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,742.24	1,435.56	87.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,156.60	1,039.15	63.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,058.07	764.52	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,580.78	645.20	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,260.29	565.07	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,944.10	486.03	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,696.54	424.14	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,514.30	378.58	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,470.78	367.70	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,538.41	384.60	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,712.20	428.05	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,864.06	466.02	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,074.94	518.73	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,323.43	580.86	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,681.56	670.39	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,137.04	784.26	47.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,682.60	920.65	55.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,225.58	1,056.40	64.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,886.30	1,221.57	74.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,467.68	1,366.92	82.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,161.27	1,540.32	93.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,263.35	1,565.84	95.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,413.98	1,603.49	97.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,540.64	1,635.16	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,595.16	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,121.18	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	6,595.17	329.76	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	6,595.17	791.42	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,260.04	1,565.01	94.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,643.28	1,160.82	70.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,408.30	852.08	51.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,742.29	685.57	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,412.71	603.18	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,087.55	521.89	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,827.73	456.93	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,618.12	404.53	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,541.53	385.38	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,593.35	398.34	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,757.60	439.40	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,900.55	475.14	28.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,093.50	523.37	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,341.30	585.33	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,695.46	673.86	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,142.31	785.58	47.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,686.85	921.71	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,231.14	1,057.78	64.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,891.01	1,222.75	74.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,506.07	1,376.52	83.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,188.24	1,547.06	93.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,300.16	1,575.04	95.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,429.94	1,607.49	97.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,551.51	1,637.88	99.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,187.13	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	6,595.17	395.71	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	6,595.17	527.61	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,595.17	1,384.99	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,485.52	1,621.38	98.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,057.06	1,264.27	76.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,716.69	929.17	56.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,863.76	715.94	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,520.28	630.07	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,186.83	546.71	33.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,916.85	479.21	29.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,681.69	420.42	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,580.23	395.06	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,603.76	400.94	24.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,757.05	439.26	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,895.60	473.90	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,074.62	518.66	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,312.21	578.05	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,644.91	661.23	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,072.80	768.20	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,610.58	902.64	54.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,149.82	1,037.45	62.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,793.10	1,198.27	72.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,431.98	1,358.00	82.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,096.75	1,524.19	92.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,315.48	1,578.87	95.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	6,406.59	1,601.65	97.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	6,537.35	1,634.34	99.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,595.17	1,648.79	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,595.17	1,384.99	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	6,595.17	527.61	100.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F7: PATRICIA'S GREEN DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	10,725.87	1,179.85	59.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	6,520.80	1,499.78	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	2,222.50	555.62	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	1,117.90	279.48	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	448.33	112.08	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	171.95	42.99	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	173.63	43.41	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	175.30	43.82	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	177.06	44.27	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	178.78	44.70	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	180.73	45.18	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	181.42	45.36	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	181.76	45.44	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	181.40	45.35	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	180.69	45.17	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	179.32	44.83	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	177.03	44.26	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	173.28	43.32	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	168.64	42.16	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	162.94	40.73	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	156.50	39.12	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	149.25	37.31	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	141.52	35.38	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	133.95	33.49	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	136.59	34.15	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	137.33	34.33	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	139.53	34.88	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	139.83	34.96	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	141.56	35.39	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	141.53	35.38	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	142.70	35.67	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	142.36	35.59	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	150.55	37.64	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	159.69	39.92	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	169.01	42.25	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	179.03	44.76	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	266.69	66.67	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	685.29	171.32	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,315.57	328.89	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,005.10	501.27	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,761.59	690.40	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,647.69	911.92	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,678.64	1,169.66	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,860.78	1,465.19	32.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,230.07	1,807.52	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	8,897.03	2,224.26	49.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	10,990.16	2,747.54	61.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	13,554.66	3,388.67	75.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,337.28	3,584.32	80.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	15,798.43	3,949.61	88.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	16,992.14	5,097.64	94.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	17,876.51	3,217.77	99.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	10,745.39	1,074.54	60.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	7,341.96	1,615.23	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	2,676.08	669.02	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	1,218.12	304.53	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	535.26	133.81	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	171.90	42.98	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	173.56	43.39	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	175.26	43.81	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	177.01	44.25	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	178.76	44.69	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	180.53	45.13	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	181.54	45.38	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	181.94	45.49	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	181.65	45.41	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	180.98	45.25	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	179.68	44.92	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	177.48	44.37	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	173.87	43.47	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	169.33	42.33	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	163.71	40.93	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	157.36	39.34	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	150.16	37.54	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	142.40	35.60	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	134.75	33.69	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	136.79	34.20	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	137.54	34.38	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	139.74	34.94	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	140.14	35.04	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	141.87	35.47	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	141.85	35.46	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	143.01	35.75	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	142.77	35.69	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	149.69	37.42	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	158.82	39.70	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	168.11	42.03	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	178.11	44.53	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	253.30	63.32	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	642.04	160.51	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,268.42	317.11	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	1,955.42	488.86	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,708.31	677.08	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,586.00	896.50	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,608.02	1,152.00	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,780.74	1,445.19	32.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,135.94	1,783.98	39.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	8,779.89	2,194.97	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	10,841.02	2,710.25	60.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	13,436.30	3,359.07	75.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,246.95	3,561.74	79.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	15,659.85	3,914.96	87.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	16,900.42	5,070.13	94.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	17,874.23	3,217.36	99.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	10,804.01	648.24	60.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	8,568.04	1,627.93	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	3,438.41	859.60	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	1,381.25	345.31	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	666.19	166.55	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	172.12	43.03	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	173.82	43.46	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	175.52	43.88	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	177.25	44.31	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	179.02	44.75	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	180.89	45.22	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	182.01	45.50	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	182.50	45.62	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	182.28	45.57	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	181.65	45.41	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	180.38	45.10	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	178.36	44.59	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	174.85	43.71	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	170.36	42.59	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	164.77	41.19	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	158.48	39.62	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	151.30	37.82	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	143.51	35.88	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	135.80	33.95	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	137.73	34.43	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	138.54	34.63	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	140.77	35.19	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	141.17	35.29	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	142.95	35.74	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	142.95	35.74	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	144.21	36.05	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	143.93	35.98	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	148.94	37.23	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	158.11	39.53	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	167.44	41.86	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	177.45	44.36	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	251.22	62.81	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	640.10	160.03	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,268.48	317.12	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	1,957.97	489.49	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,718.43	679.61	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,602.51	900.63	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,633.83	1,158.46	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,812.19	1,453.05	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,175.51	1,793.88	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	8,825.25	2,206.31	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	10,903.37	2,725.84	60.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	13,480.50	3,370.12	75.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,244.80	3,561.20	79.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	15,562.79	3,890.70	86.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	16,820.80	5,046.24	94.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	17,866.21	3,215.92	99.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	10,899.03	326.97	60.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	10,109.47	1,516.42	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	4,544.57	1,136.14	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	1,632.78	408.20	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	849.21	212.30	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	200.25	50.06	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	174.32	43.58	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	176.05	44.01	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	177.81	44.45	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	179.64	44.91	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	181.54	45.38	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	182.80	45.70	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	183.45	45.86	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	183.30	45.82	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	182.73	45.68	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	181.48	45.37	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	179.59	44.90	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	176.13	44.03	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	171.73	42.93	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	166.13	41.53	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	159.84	39.96	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	152.60	38.15	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	144.80	36.20	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	136.98	34.24	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	139.46	34.87	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	140.32	35.08	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	142.53	35.63	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	143.04	35.76	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	144.78	36.19	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	144.89	36.22	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	146.12	36.53	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	145.91	36.48	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	148.37	37.09	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	157.63	39.41	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	166.98	41.74	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	177.10	44.27	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	260.41	65.10	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	679.81	169.95	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,316.21	329.05	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,014.12	503.53	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,794.46	698.62	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,698.33	924.58	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,757.64	1,189.41	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,957.05	1,489.26	33.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,349.71	1,837.43	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	9,034.49	2,258.62	50.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	11,179.41	2,794.85	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	13,588.98	3,397.25	75.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,306.78	3,576.70	79.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	15,509.55	3,877.39	86.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	16,781.26	4,698.75	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	17,849.74	2,677.46	99.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	11,015.23	1,431.98	61.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	5,702.29	1,368.55	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	2,045.96	491.03	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,085.05	271.26	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	351.11	87.78	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	175.14	43.78	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	176.88	44.22	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	178.66	44.66	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	180.20	45.05	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	182.49	45.62	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	183.99	46.00	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	184.74	46.19	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	184.76	46.19	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	184.16	46.04	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	182.95	45.74	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	181.09	45.27	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	177.71	44.43	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	173.34	43.33	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	167.71	41.93	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	161.34	40.33	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	154.07	38.52	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	146.11	36.53	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	139.37	34.84	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	142.01	35.50	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	142.92	35.73	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	145.14	36.29	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	145.64	36.41	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	147.41	36.85	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	147.59	36.90	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	148.90	37.23	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	148.77	37.19	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	149.50	37.37	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	157.43	39.36	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	166.94	41.73	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	177.19	44.30	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	283.82	70.95	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	767.87	191.97	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,418.57	354.64	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,133.12	533.28	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,951.30	737.83	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,888.26	972.06	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,997.58	1,249.40	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,234.08	1,558.52	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,683.68	1,920.92	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	9,443.38	2,360.85	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	11,714.85	2,928.71	65.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	13,685.11	3,421.28	76.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,432.10	3,608.03	80.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	15,510.54	3,877.63	86.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	16,789.52	4,197.38	93.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	17,819.88	2,316.58	99.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	11,139.29	668.36	62.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	8,507.69	1,616.46	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	4,332.69	1,083.17	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,393.78	348.44	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	578.85	144.71	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	176.19	44.05	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	177.94	44.49	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	179.76	44.94	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	181.68	45.42	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	183.72	45.93	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	185.47	46.37	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	186.40	46.60	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	186.44	46.61	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	185.96	46.49	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	184.74	46.19	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	182.98	45.74	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	179.60	44.90	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	175.19	43.80	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	169.49	42.37	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	163.05	40.76	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	155.67	38.92	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	147.57	36.89	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	142.73	35.68	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	145.30	36.33	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	146.30	36.58	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	148.51	37.13	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	149.10	37.27	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	150.83	37.71	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	151.11	37.78	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	152.44	38.11	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	152.39	38.10	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	153.22	38.31	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	157.51	39.38	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	167.19	41.80	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	177.64	44.41	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	342.47	85.62	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	900.22	225.06	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,569.63	392.41	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,309.47	577.37	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,172.13	793.03	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,189.49	1,047.37	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,349.53	1,337.38	29.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,643.01	1,660.75	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	8,177.96	2,044.49	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	10,065.90	2,516.48	56.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	12,516.38	3,129.10	69.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	13,834.94	3,458.74	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,614.80	3,653.70	81.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	15,568.30	3,892.08	87.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	16,965.39	3,562.73	94.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	17,758.30	1,598.25	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	11,260.20	225.20	62.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	10,622.51	1,593.38	59.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	7,615.23	1,903.81	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	1,782.30	445.57	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	853.26	213.31	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	177.51	44.38	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	179.30	44.82	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	181.31	45.33	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	183.19	45.80	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	185.29	46.32	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	187.24	46.81	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	188.41	47.10	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	188.55	47.14	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	188.14	47.03	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	186.87	46.72	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	185.09	46.27	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	181.75	45.44	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	177.19	44.30	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	171.43	42.86	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	164.80	41.20	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	157.24	39.31	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	148.96	37.24	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	146.89	36.72	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	149.43	37.36	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	150.48	37.62	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	152.64	38.16	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	153.29	38.32	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	155.08	38.77	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	155.41	38.85	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	156.78	39.20	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	156.82	39.20	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	157.75	39.44	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	158.07	39.52	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	167.96	41.99	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	193.60	48.40	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	481.16	120.29	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,088.66	272.17	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,783.71	445.93	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,557.69	639.42	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,483.46	870.87	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,606.64	1,151.66	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,836.93	1,459.23	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,219.68	1,804.92	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	8,882.09	2,220.52	49.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	10,962.04	2,740.51	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	13,316.01	3,329.00	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	14,052.12	3,513.03	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	14,897.23	3,724.31	83.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	15,775.26	3,943.81	88.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	17,438.10	2,615.71	97.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	17,668.63	530.06	98.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	13,326.48	1,199.38	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	12,117.00	2,544.57	67.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	2,386.94	596.74	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,195.14	298.79	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	303.52	75.88	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	180.95	45.24	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	182.92	45.73	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	184.94	46.23	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	187.12	46.78	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	189.30	47.32	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	190.72	47.68	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	191.01	47.75	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	190.60	47.65	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	189.35	47.34	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	187.54	46.88	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	184.10	46.03	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	179.51	44.88	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	173.52	43.38	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	166.69	41.67	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	158.89	39.72	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	150.35	37.59	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	151.82	37.96	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	154.35	38.59	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	155.41	38.85	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	157.56	39.39	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	158.26	39.57	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	160.05	40.01	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	160.51	40.13	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	161.93	40.48	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	162.08	40.52	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	163.14	40.79	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	163.01	40.75	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	169.17	42.29	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	241.82	60.46	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	680.67	170.17	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,330.48	332.62	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,058.58	514.65	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,886.82	721.70	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,895.90	973.98	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,112.79	1,278.20	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,464.85	1,616.21	36.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,976.02	1,994.00	44.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	9,820.02	2,455.00	54.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	12,162.78	3,040.69	67.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	13,550.63	3,387.66	75.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	14,339.47	3,584.87	80.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	15,159.04	5,154.07	84.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	17,518.11	3,678.80	97.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	17,388.50	695.54	97.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	16,861.91	2,866.53	94.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,868.93	3,467.23	77.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	1,585.80	396.45	8.9%	1,920.23	480.06	10.7%	1,920.23	480.06	10.7%	0.00	0.00	0.0%	1,920.23	480.06	10.7%	1,920.23	480.06	10.7%
8:15 AM	557.14	139.28	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	182.74	45.69	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	184.78	46.20	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	186.91	46.73	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	189.21	47.30	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	191.57	47.89	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	193.32	48.33	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	193.75	48.44	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	193.48	48.37	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	192.19	48.05	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	190.29	47.57	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	186.76	46.69	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	181.98	45.49	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	175.78	43.94	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	168.70	42.17	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	160.58	40.15	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	156.04	39.01	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	157.52	39.38	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	160.01	40.00	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	161.10	40.27	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	163.21	40.80	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	164.01	41.00	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	165.84	41.46	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	166.37	41.59	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	167.85	41.96	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	168.10	42.03	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	169.26	42.32	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	169.30	42.33	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	170.75	42.69	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	352.45	88.11	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	935.48	233.87	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,618.25	404.56	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,390.77	597.69	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,304.17	826.04	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,431.23	1,107.81	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,721.13	1,430.28	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,214.18	1,803.54	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	8,931.41	2,232.85	49.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	11,022.82	2,755.71	61.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	13,182.76	3,295.69	73.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	13,838.06	3,459.52	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	14,703.19	3,675.80	82.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	15,299.96	4,130.99	85.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	16,746.88	2,344.56	93.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	16,536.85	1,819.05	92.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	12,100.12	2,783.03	67.6%	725.32	166.82	4.1%	725.32	166.82	4.1%	0.00	0.00	0.0%	725.32	166.82	4.1%	725.32	166.82	4.1%
8:00 AM	2,006.86	501.71	11.2%	5,080.49	1270.12	28.4%	5,080.49	1270.12	28.4%	0.00	0.00	0.0%	5,080.49	1270.12	28.4%	5,080.49	1270.12	28.4%
8:15 AM	839.07	209.77	4.7%	4,670.26	1167.56	26.1%	4,670.26	1167.56	26.1%	0.00	0.00	0.0%	4,670.26	1167.56	26.1%	4,670.26	1167.56	26.1%
8:30 AM	184.79	46.20	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	186.96	46.74	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	189.14	47.28	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	191.58	47.90	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	194.09	48.52	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	196.21	49.05	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	196.87	49.22	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	196.64	49.16	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	195.26	48.82	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	193.30	48.32	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	189.57	47.39	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	184.56	46.14	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	178.07	44.52	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	170.69	42.67	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	162.17	40.54	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	162.53	40.63	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	164.02	41.00	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	166.44	41.61	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	167.56	41.89	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	169.69	42.42	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	170.57	42.64	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	172.39	43.10	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	173.03	43.26	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	174.61	43.65	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	175.01	43.75	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	176.34	44.08	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	176.53	44.13	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	220.41	55.10	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	601.87	150.47	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,254.41	313.60	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,976.86	494.21	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,820.45	705.11	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,845.30	961.32	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,086.64	1,271.66	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,501.90	1,625.48	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	8,149.24	2,037.31	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	10,168.71	2,542.18	56.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	12,595.64	3,148.91	70.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	13,459.18	3,364.79	75.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	14,221.14	3,555.28	79.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	14,957.99	3,739.50	83.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	15,562.28	2,956.83	86.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	16,172.32	970.34	90.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	11,145.74	668.74	62.3%	493.26	29.60	2.8%	493.26	29.60	2.8%	0.00	0.00	0.0%	493.26	29.60	2.8%	493.26	29.60	2.8%
7:45 AM	8,925.75	1,695.89	49.9%	2,850.19	541.54	15.9%	2,850.19	541.54	15.9%	0.00	0.00	0.0%	2,850.19	541.54	15.9%	2,850.19	541.54	15.9%
8:00 AM	2,549.71	637.43	14.2%	8,890.13	2222.53	49.7%	8,890.13	2222.53	49.7%	0.00	0.00	0.0%	8,890.13	2222.53	49.7%	8,890.13	2222.53	49.7%
8:15 AM	1,165.23	291.31	6.5%	10,761.97	2690.49	60.1%	10,761.97	2690.49	60.1%	0.00	0.00	0.0%	10,761.97	2690.49	60.1%	10,761.97	2690.49	60.1%
8:30 AM	227.85	56.96	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	189.26	47.32	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	191.57	47.89	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	194.16	48.54	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	196.84	49.21	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	199.37	49.84	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	200.26	50.07	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	200.12	50.03	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	198.71	49.68	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	196.60	49.15	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	192.65	48.16	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	187.40	46.85	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	180.54	45.13	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	172.75	43.19	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	167.09	41.77	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	169.82	42.45	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	171.25	42.81	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	173.63	43.41	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	174.75	43.69	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	176.93	44.23	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	177.84	44.46	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	179.74	44.94	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	180.48	45.12	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	182.17	45.54	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	182.73	45.68	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	184.21	46.05	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	184.68	46.17	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	351.98	87.99	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	924.96	231.24	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,619.46	404.87	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,397.80	599.45	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,347.81	836.95	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,511.39	1,127.85	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,875.57	1,468.89	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,448.78	1,862.20	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	9,335.71	2,333.93	52.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	11,641.13	2,910.28	65.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	13,212.62	3,303.15	73.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	13,820.21	3,455.05	77.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	14,647.08	3,661.77	81.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	15,155.15	3,485.68	84.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	16,096.36	1,770.60	89.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	9,459.89	1,229.79	52.8%	6,289.85	817.68	35.1%	6,289.85	817.68	35.1%	0.00	0.00	0.0%	6,289.85	817.68	35.1%	6,289.85	817.68	35.1%
8:00 AM	3,734.97	933.74	20.9%	10,641.84	2660.46	59.4%	10,641.84	2660.46	59.4%	0.00	0.00	0.0%	10,641.84	2660.46	59.4%	10,641.84	2660.46	59.4%
8:15 AM	1,546.85	386.71	8.6%	8,850.56	2212.64	49.4%	8,850.56	2212.64	49.4%	0.00	0.00	0.0%	8,850.56	2212.64	49.4%	8,850.56	2212.64	49.4%
8:30 AM	449.39	112.35	2.5%	128.26	32.07	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	128.26	32.07	0.7%	128.26	32.07	0.7%
8:45 AM	191.73	47.93	1.1%	2,254.25	563.56	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,254.25	563.56	12.6%	2,254.25	563.56	12.6%
9:00 AM	194.19	48.55	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	196.94	49.24	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	199.80	49.95	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	202.78	50.69	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	203.94	50.98	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	203.91	50.98	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	202.46	50.61	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	200.20	50.05	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	196.03	49.01	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	190.43	47.61	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	183.19	45.80	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	174.87	43.72	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	175.20	43.80	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	177.82	44.46	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	179.21	44.80	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	181.58	45.40	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	182.74	45.69	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	184.90	46.23	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	185.91	46.48	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	187.89	46.97	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	188.76	47.19	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	190.61	47.65	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	191.35	47.84	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	193.10	48.28	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	240.19	60.05	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	646.92	161.73	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,293.39	323.35	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,036.42	509.11	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,914.00	728.50	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,002.51	1,000.63	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,297.21	1,324.30	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,825.27	1,706.32	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	8,610.67	2,152.67	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	10,804.05	2,701.01	60.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	12,902.37	3,225.59	72.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	13,525.14	3,381.28	75.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	14,355.47	3,588.87	80.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	14,763.53	3,986.15	82.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	15,749.35	2,204.91	88.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	8,418.04	673.44	47.0%	7,970.65	637.65	44.5%	7,970.65	637.65	44.5%	0.00	0.00	0.0%	7,970.65	637.65	44.5%	7,970.65	637.65	44.5%
8:00 AM	4,990.73	1,048.05	27.9%	7,457.94	1566.17	41.7%	7,457.94	1566.17	41.7%	0.00	0.00	0.0%	7,457.94	1566.17	41.7%	7,457.94	1566.17	41.7%
8:15 AM	2,011.22	502.81	11.2%	4,326.28	1081.57	24.2%	3,893.94	973.48	21.8%	0.00	0.00	0.0%	4,326.28	1081.57	24.2%	4,326.28	1081.57	24.2%
8:30 AM	736.55	184.14	4.1%	4,832.61	1208.15	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,832.61	1208.15	27.0%	4,832.61	1208.15	27.0%
8:45 AM	194.39	48.60	1.1%	10,071.28	2517.82	56.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,071.28	2517.82	56.3%	10,071.28	2517.82	56.3%
9:00 AM	196.96	49.24	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	199.96	49.99	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	202.97	50.74	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	206.41	51.60	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	207.91	51.98	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	208.05	52.01	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	206.57	51.64	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	204.11	51.03	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	199.66	49.91	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	193.66	48.41	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	185.95	46.49	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	181.78	45.44	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	184.05	46.01	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	186.56	46.64	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	187.90	46.98	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	190.29	47.57	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	191.41	47.85	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	193.66	48.42	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	194.76	48.69	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	196.82	49.21	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	197.85	49.46	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	199.88	49.97	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	200.90	50.23	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	202.89	50.72	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	411.55	102.89	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,013.36	253.34	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,706.72	426.68	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,518.55	629.64	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,522.41	880.60	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,785.73	1,196.43	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,233.67	1,558.42	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	7,968.65	1,992.16	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	10,046.07	2,511.52	56.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	12,558.43	3,139.61	70.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	13,327.84	3,331.96	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	14,041.98	3,510.49	78.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	14,517.53	3,629.38	81.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	14,904.62	2,682.83	83.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	15,326.90	766.35	85.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	7,776.27	155.53	43.4%	2,199.89	44.00	12.3%	2,141.69	42.83	12.0%	0.00	0.00	0.0%	2,199.89	44.00	12.3%	2,199.89	44.00	12.3%
8:00 AM	6,707.99	1,006.20	37.5%	2,651.37	397.71	14.8%	1,943.47	291.52	10.9%	0.00	0.00	0.0%	2,651.37	397.71	14.8%	2,651.37	397.71	14.8%
8:15 AM	2,611.12	652.78	14.6%	3,992.10	998.02	22.3%	0.00	0.00	0.0%	16.33	4.08	0.1%	3,992.10	998.02	22.3%	3,992.10	998.02	22.3%
8:30 AM	1,071.31	267.83	6.0%	10,052.25	2513.06	56.1%	0.00	0.00	0.0%	2,707.31	676.83	15.1%	10,052.25	2513.06	56.1%	10,052.25	2513.06	56.1%
8:45 AM	197.12	49.28	1.1%	11,687.19	2921.80	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,687.19	2921.80	65.3%	11,687.19	2921.80	65.3%
9:00 AM	199.85	49.96	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	202.98	50.74	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	206.33	51.58	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	210.15	52.54	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	212.17	53.04	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	212.51	53.13	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	210.99	52.75	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	208.35	52.09	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	203.55	50.89	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	197.13	49.28	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	188.88	47.22	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	191.60	47.90	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	193.59	48.40	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	196.05	49.01	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	197.37	49.34	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	199.67	49.92	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	200.96	50.24	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	203.17	50.79	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	204.37	51.09	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	206.55	51.64	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	207.80	51.95	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	210.06	52.52	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	211.36	52.84	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	278.84	69.71	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	742.92	185.73	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,414.37	353.59	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,170.85	542.71	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,106.81	776.70	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,285.31	1,071.33	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,689.38	1,422.35	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	7,321.91	1,830.48	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	9,341.66	2,335.41	52.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	11,804.64	2,951.16	65.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	13,194.48	3,298.62	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	14,060.53	3,515.13	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	14,623.50	3,655.87	81.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	14,527.76	3,050.83	81.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	14,852.55	1,188.20	83.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	7,952.34	795.23	44.4%	1,185.86	118.59	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,185.86	118.59	6.6%	1,185.86	118.59	6.6%
8:15 AM	4,103.32	902.73	22.9%	7,669.33	1687.25	42.8%	0.00	0.00	0.0%	2,161.74	475.58	12.1%	7,669.33	1687.25	42.8%	7,669.33	1687.25	42.8%
8:30 AM	1,675.19	418.80	9.4%	15,334.67	3833.67	85.7%	0.00	0.00	0.0%	5,637.68	1409.42	31.5%	15,334.67	3833.67	85.7%	15,334.67	3833.67	85.7%
8:45 AM	325.43	81.36	1.8%	10,368.69	2592.17	57.9%	0.00	0.00	0.0%	3,381.99	845.50	18.9%	10,368.69	2592.17	57.9%	10,368.69	2592.17	57.9%
9:00 AM	202.87	50.72	1.1%	41.14	10.28	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	41.14	10.28	0.2%	41.14	10.28	0.2%
9:15 AM	206.18	51.54	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	209.78	52.44	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	214.03	53.51	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	216.64	54.16	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	217.29	54.32	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	215.76	53.94	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	212.91	53.23	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	207.73	51.93	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	200.84	50.21	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	197.66	49.42	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	202.14	50.53	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	203.89	50.97	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	206.26	51.57	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	207.51	51.88	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	209.91	52.48	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	211.19	52.80	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	213.51	53.38	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	214.78	53.69	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	217.05	54.26	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	218.67	54.67	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	221.21	55.30	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	222.99	55.75	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	490.99	122.75	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,118.65	279.66	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,850.29	462.57	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,710.39	677.60	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,821.87	955.47	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,146.44	1,286.61	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	6,727.32	1,681.83	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	8,609.26	2,152.32	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	10,967.30	2,741.83	61.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	12,903.52	3,225.88	72.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	13,952.81	3,488.20	77.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	15,008.80	3,752.20	83.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	14,957.21	3,440.16	83.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	14,913.95	1,640.53	83.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	8,146.40	325.86	45.5%	7,750.42	310.02	43.3%	0.00	0.00	0.0%	854.86	34.19	4.8%	7,750.42	310.02	43.3%	7,750.42	310.02	43.3%
8:15 AM	6,044.19	1,027.51	33.8%	11,215.78	1906.68	62.6%	0.00	0.00	0.0%	2,224.83	378.22	12.4%	11,215.78	1906.68	62.6%	11,215.78	1906.68	62.6%
8:30 AM	3,051.94	762.98	17.0%	14,848.52	3712.13	82.9%	0.00	0.00	0.0%	8,120.97	2030.24	45.4%	14,848.52	3712.13	82.9%	14,848.52	3712.13	82.9%
8:45 AM	1,260.84	315.21	7.0%	14,781.76	3695.44	82.6%	0.00	0.00	0.0%	8,803.66	2200.91	49.2%	14,781.76	3695.44	82.6%	14,781.76	3695.44	82.6%
9:00 AM	419.26	104.82	2.3%	6,465.31	1616.33	36.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,465.31	1616.33	36.1%	6,465.31	1616.33	36.1%
9:15 AM	209.46	52.36	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	78.71	19.68	0.4%	78.71	19.68	0.4%
9:30 AM	213.30	53.32	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	157.85	39.46	0.9%	157.85	39.46	0.9%
9:45 AM	217.90	54.48	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	92.49	23.12	0.5%	92.49	23.12	0.5%
10:00 AM	221.32	55.33	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	27.74	6.93	0.2%	27.74	6.93	0.2%
10:15 AM	222.35	55.59	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	220.84	55.21	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	217.90	54.48	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	212.32	53.08	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	204.92	51.23	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	208.99	52.25	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	213.36	53.34	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	214.82	53.71	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	217.08	54.27	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	218.28	54.57	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	220.52	55.13	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	221.80	55.45	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	224.42	56.11	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	225.95	56.49	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	228.62	57.15	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	230.28	57.57	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	233.21	58.30	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	303.53	75.88	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	827.48	206.87	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,509.59	377.40	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,314.93	578.73	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,315.13	828.78	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,610.46	1,152.61	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,084.18	1,521.04	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	7,883.37	1,970.84	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	10,073.76	2,518.44	56.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	12,484.66	3,121.16	69.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	13,611.87	3,402.97	76.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	14,937.64	3,734.41	83.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	15,383.12	4,153.44	85.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	15,548.29	2,176.76	86.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	8,545.90	1,025.51	47.7%	9,354.56	1122.55	52.3%	0.00	0.00	0.0%	3,213.03	385.56	17.9%	9,354.56	1122.55	52.3%	9,354.56	1122.55	52.3%
8:30 AM	4,765.14	1,143.63	26.6%	12,446.09	2987.06	69.5%	0.00	0.00	0.0%	9,529.94	2287.18	53.2%	12,446.09	2987.06	69.5%	13,135.31	3152.47	73.4%
8:45 AM	2,496.83	624.21	13.9%	15,403.63	3850.91	86.0%	0.00	0.00	0.0%	10,313.74	2578.43	57.6%	15,403.63	3850.91	86.0%	15,403.63	3850.91	86.0%
9:00 AM	1,169.10	292.27	6.5%	10,473.38	2618.35	58.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,473.38	2618.35	58.5%	10,473.38	2618.35	58.5%
9:15 AM	646.70	161.67	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	148.25	37.06	0.8%	148.25	37.06	0.8%
9:30 AM	356.10	89.02	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	333.26	83.32	1.9%	333.26	83.32	1.9%
9:45 AM	238.15	59.54	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	343.23	85.81	1.9%	343.23	85.81	1.9%
10:00 AM	226.10	56.52	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	216.10	54.02	1.2%	216.10	54.02	1.2%
10:15 AM	227.68	56.92	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	137.28	34.32	0.8%	137.28	34.32	0.8%
10:30 AM	226.35	56.59	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	72.94	18.23	0.4%	72.94	18.23	0.4%
10:45 AM	223.21	55.80	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	35.13	8.78	0.2%	35.13	8.78	0.2%
11:00 AM	217.25	54.31	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	216.12	54.03	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	221.04	55.26	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	225.23	56.31	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	226.36	56.59	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	228.59	57.15	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	229.71	57.43	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	232.14	58.04	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	233.50	58.37	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	236.12	59.03	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	237.78	59.44	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	240.73	60.18	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	242.69	60.67	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	247.39	61.85	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	528.78	132.20	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,180.33	295.08	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,924.10	481.02	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,850.32	712.58	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,033.00	1,008.25	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,464.03	1,366.01	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	7,113.18	1,778.29	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	9,183.26	2,295.82	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	11,726.61	2,931.65	65.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	13,164.28	3,291.07	73.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	14,526.12	3,631.53	81.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	15,520.44	3,880.11	86.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	15,822.70	3,006.31	88.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	16,103.40	966.20	90.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	8,946.21	536.77	50.0%	8,933.30	536.00	49.9%	0.00	0.00	0.0%	7,880.51	472.83	44.0%	8,933.30	536.00	49.9%	8,954.24	537.25	50.0%
8:30 AM	7,576.87	1,363.84	42.3%	10,323.59	1858.25	57.7%	0.00	0.00	0.0%	9,279.58	1670.32	51.8%	10,323.59	1858.25	57.7%	10,323.59	1858.25	57.7%
8:45 AM	3,955.36	988.84	22.1%	13,922.95	3480.74	77.8%	0.00	0.00	0.0%	6,933.72	1733.43	38.7%	13,922.95	3480.74	77.8%	13,945.10	3486.27	77.9%
9:00 AM	1,940.68	485.17	10.8%	10,797.22	2699.30	60.3%	0.00	0.00	0.0%	1,151.72	287.93	6.4%	10,797.22	2699.30	60.3%	10,797.22	2699.30	60.3%
9:15 AM	1,325.81	331.45	7.4%	44.63	11.16	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	127.53	31.88	0.7%	127.53	31.88	0.7%
9:30 AM	776.37	194.09	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	371.53	92.88	2.1%	371.53	92.88	2.1%
9:45 AM	493.21	123.30	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	573.24	143.31	3.2%	573.24	143.31	3.2%
10:00 AM	320.17	80.04	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	475.99	119.00	2.7%	475.99	119.00	2.7%
10:15 AM	249.56	62.39	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	352.01	88.00	2.0%	352.01	88.00	2.0%
10:30 AM	232.12	58.03	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	250.96	62.74	1.4%	250.96	62.74	1.4%
10:45 AM	228.94	57.24	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	156.45	39.11	0.9%	156.45	39.11	0.9%
11:00 AM	222.63	55.66	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	61.65	15.41	0.3%	61.65	15.41	0.3%
11:15 AM	228.56	57.14	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6.28	1.57	0.0%	6.28	1.57	0.0%
11:30 AM	233.37	58.34	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	237.55	59.39	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	238.44	59.61	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	240.59	60.15	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	241.66	60.41	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	244.12	61.03	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	245.52	61.38	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	248.37	62.09	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	250.18	62.54	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	253.44	63.36	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	255.76	63.94	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	325.44	81.36	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	844.18	211.04	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,548.09	387.02	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,371.01	592.75	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,457.52	864.38	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,797.21	1,199.30	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,398.00	1,599.50	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,272.04	2,068.01	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	10,638.85	2,659.71	59.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	12,594.57	3,148.64	70.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	14,031.19	3,507.80	78.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	15,457.48	3,864.37	86.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	15,959.78	3,511.15	89.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	113.88	25.05	0.6%	113.88	25.05	0.6%
5:27 PM	16,471.28	1,647.13	92.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	266.76	26.68	1.5%	266.76	26.68	1.5%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	10,663.30	1,386.23	59.6%	7,237.15	940.83	40.4%	0.00	0.00	0.0%	7,237.15	940.83	40.4%	7,237.15	940.83	40.4%	7,237.15	940.83	40.4%
7:45 AM	5,877.99	1,469.50	32.8%	10,483.31	2620.83	58.6%	0.00	0.00	0.0%	3,492.17	873.04	19.5%	10,483.31	2620.83	58.6%	12,022.47	3005.62	67.2%
8:00 AM	3,256.47	814.12	18.2%	6,005.89	1501.47	33.5%	0.00	0.00	0.0%	29.34	7.34	0.2%	6,005.89	1501.47	33.5%	6,005.89	1501.47	33.5%
8:15 AM	2,123.33	530.83	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	20.81	5.20	0.1%	20.81	5.20	0.1%
8:30 AM	1,319.32	329.83	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	409.67	102.42	2.3%	409.67	102.42	2.3%
8:45 AM	824.41	206.10	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	817.32	204.33	4.6%	817.32	204.33	4.6%
9:00 AM	507.61	126.90	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	771.87	192.97	4.3%	771.87	192.97	4.3%
9:15 AM	335.84	83.96	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	598.61	149.65	3.3%	598.61	149.65	3.3%
9:30 AM	242.92	60.73	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	462.24	115.56	2.6%	462.24	115.56	2.6%
9:45 AM	235.02	58.75	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	298.44	74.61	1.7%	298.44	74.61	1.7%
10:00 AM	233.28	58.32	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	132.19	33.05	0.7%	132.19	33.05	0.7%
10:15 AM	241.21	60.30	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17.06	4.27	0.1%	17.06	4.27	0.1%
10:30 AM	246.19	61.55	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	250.26	62.56	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	250.87	62.72	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	252.94	63.24	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	253.96	63.49	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	256.48	64.12	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	257.97	64.49	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	260.99	65.25	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	263.00	65.75	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	266.64	66.66	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	269.35	67.34	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	516.63	129.16	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,146.10	286.53	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,910.40	477.60	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,844.68	711.17	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,103.70	1,025.92	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,590.31	1,397.58	31.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	7,377.08	1,844.27	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,508.62	2,377.15	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	11,949.82	2,987.45	66.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	13,327.35	3,331.84	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	15,058.68	3,764.67	84.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	15,972.54	3,993.13	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	369.72	92.43	2.1%	369.72	92.43	2.1%
4:15 PM	16,634.48	2,495.17	92.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	700.69	105.10	3.9%	700.69	105.10	3.9%
4:18 PM	16,802.45	504.07	93.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	654.42	19.63	3.7%	654.42	19.63	3.7%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	17,445.85	1,221.21	97.4%	122.74	8.59	0.7%	0.00	0.00	0.0%	48.43	3.39	0.3%	122.74	8.59	0.7%	454.60	31.82	2.5%
7:45 AM	9,084.60	1,726.07	50.7%	6,194.76	1177.00	34.6%	0.00	0.00	0.0%	604.51	114.86	3.4%	6,194.76	1177.00	34.6%	7,973.29	1514.93	44.5%
8:00 AM	4,868.43	1,217.11	27.2%	1,643.40	410.85	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,643.40	410.85	9.2%	2,758.38	689.59	15.4%
8:15 AM	3,032.00	758.00	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	55.47	13.87	0.3%	55.47	13.87	0.3%
8:30 AM	2,006.93	501.73	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	402.71	100.68	2.2%	402.71	100.68	2.2%
8:45 AM	1,266.34	316.58	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,045.22	261.31	5.8%	1,045.22	261.31	5.8%
9:00 AM	760.05	190.01	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,111.60	277.90	6.2%	1,111.60	277.90	6.2%
9:15 AM	461.58	115.40	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	862.62	215.66	4.8%	862.62	215.66	4.8%
9:30 AM	277.53	69.38	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	688.15	172.04	3.8%	688.15	172.04	3.8%
9:45 AM	241.38	60.35	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	469.43	117.36	2.6%	469.43	117.36	2.6%
10:00 AM	245.51	61.38	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	219.40	54.85	1.2%	219.40	54.85	1.2%
10:15 AM	253.95	63.49	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	35.85	8.96	0.2%	35.85	8.96	0.2%
10:30 AM	259.06	64.77	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	263.12	65.78	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	263.64	65.91	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	265.46	66.37	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	266.39	66.60	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	268.89	67.22	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	270.46	67.62	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	273.76	68.44	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	275.98	69.00	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	280.02	70.00	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	315.32	78.83	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	751.31	187.83	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,425.04	356.26	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,256.14	564.03	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,328.14	832.03	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,729.39	1,182.35	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	6,373.35	1,593.34	35.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	8,370.46	2,092.62	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	10,756.63	2,689.16	60.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	12,578.14	3,144.54	70.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	14,102.29	3,525.57	78.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14.76	3.69	0.1%	14.76	3.69	0.1%
3:45 PM	15,735.62	3,933.90	87.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	262.94	65.74	1.5%	262.94	65.74	1.5%
4:00 PM	16,374.96	3,438.74	91.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,079.97	226.79	6.0%	1,079.97	226.79	6.0%
4:10 PM	16,853.16	1,516.78	94.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	920.46	82.84	5.1%	920.46	82.84	5.1%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	13,535.62	135.36	75.6%	1,909.12	19.09	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,909.12	19.09	10.7%	3,516.92	35.17	19.6%
7:45 AM	12,570.37	1,634.15	70.2%	2,073.59	269.57	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,073.59	269.57	11.6%	4,137.19	537.83	23.1%
8:00 AM	6,806.28	1,701.57	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	727.65	181.91	4.1%
8:15 AM	4,206.60	1,051.65	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,812.98	703.24	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	383.15	95.79	2.1%	383.15	95.79	2.1%
8:45 AM	1,773.69	443.42	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,178.30	294.57	6.6%	1,178.30	294.57	6.6%
9:00 AM	1,088.01	272.00	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,533.14	383.28	8.6%	1,533.14	383.28	8.6%
9:15 AM	641.72	160.43	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,237.22	309.31	6.9%	1,237.22	309.31	6.9%
9:30 AM	346.94	86.74	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	932.35	233.09	5.2%	932.35	233.09	5.2%
9:45 AM	247.91	61.98	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	673.03	168.26	3.8%	673.03	168.26	3.8%
10:00 AM	257.26	64.31	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	331.78	82.94	1.9%	331.78	82.94	1.9%
10:15 AM	266.23	66.56	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	71.02	17.76	0.4%	71.02	17.76	0.4%
10:30 AM	271.68	67.92	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	275.91	68.98	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	275.99	69.00	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	277.85	69.46	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	278.66	69.66	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	281.18	70.29	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	282.87	70.72	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	286.30	71.57	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	288.73	72.18	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	293.14	73.28	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	375.51	93.88	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	944.53	236.13	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,659.24	414.81	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,575.10	643.77	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,776.21	944.05	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,295.94	1,323.98	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	7,082.19	1,770.55	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,283.66	2,320.91	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	11,730.55	2,932.64	65.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	13,200.30	3,300.08	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	15,024.45	3,756.11	83.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	70.62	17.65	0.4%	70.62	17.65	0.4%
3:45 PM	16,044.32	4,011.08	89.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,054.10	263.52	5.9%	1,054.10	263.52	5.9%
4:00 PM	16,614.41	2,492.16	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,221.22	183.18	6.8%	1,221.22	183.18	6.8%
4:03 PM	16,723.63	501.71	93.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,168.97	35.07	6.5%	1,168.97	35.07	6.5%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	10,677.12	854.17	59.6%	173.65	13.89	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	173.65	13.89	1.0%	2,162.94	173.04	12.1%
8:00 AM	8,761.82	1,752.36	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,739.10	1,434.77	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	3,927.25	981.81	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	150.75	37.69	0.8%	150.75	37.69	0.8%
8:45 AM	2,364.10	591.02	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,194.16	298.54	6.7%	1,194.16	298.54	6.7%
9:00 AM	1,448.12	362.03	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,808.42	452.10	10.1%	1,808.42	452.10	10.1%
9:15 AM	863.57	215.89	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,621.44	405.36	9.1%	1,621.44	405.36	9.1%
9:30 AM	458.48	114.62	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,266.35	316.59	7.1%	1,266.35	316.59	7.1%
9:45 AM	257.27	64.32	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	945.88	236.47	5.3%	945.88	236.47	5.3%
10:00 AM	268.10	67.02	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	470.31	117.58	2.6%	470.31	117.58	2.6%
10:15 AM	277.74	69.44	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	126.22	31.55	0.7%	126.22	31.55	0.7%
10:30 AM	283.60	70.90	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	288.14	72.03	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	287.96	71.99	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	289.69	72.42	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	290.35	72.59	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	292.97	73.24	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	294.59	73.65	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	298.20	74.55	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	300.80	75.20	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	305.55	76.39	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	476.15	119.04	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,094.65	273.66	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,845.62	461.40	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,840.64	710.16	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,152.82	1,038.21	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,782.37	1,445.59	32.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	7,690.87	1,922.72	43.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	10,152.80	2,538.20	56.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	12,429.31	3,107.33	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	14,224.62	3,556.16	79.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13.52	3.38	0.1%	13.52	3.38	0.1%
3:30 PM	15,857.41	3,964.35	88.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	256.97	64.24	1.4%	256.97	64.24	1.4%
3:45 PM	16,253.44	3,738.29	90.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,402.75	322.63	7.8%	1,402.75	322.63	7.8%
3:57 PM	16,607.00	1,826.77	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,293.46	142.28	7.2%	1,293.46	142.28	7.2%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	11,108.13	222.16	62.0%	423.24	8.46	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	423.24	8.46	2.4%	423.24	8.46	2.4%
8:00 AM	10,614.80	1,592.22	59.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,531.45	1,882.86	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,983.23	1,245.81	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	64.52	16.13	0.4%	64.52	16.13	0.4%
8:45 AM	3,162.19	790.55	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,005.28	251.32	5.6%	1,005.28	251.32	5.6%
9:00 AM	1,876.41	469.10	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,061.93	515.48	11.5%	2,061.93	515.48	11.5%
9:15 AM	1,115.31	278.83	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,956.50	489.13	10.9%	1,956.50	489.13	10.9%
9:30 AM	592.07	148.02	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,605.12	401.28	9.0%	1,605.12	401.28	9.0%
9:45 AM	265.46	66.37	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,274.55	318.64	7.1%	1,274.55	318.64	7.1%
10:00 AM	277.38	69.35	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	686.76	171.69	3.8%	686.76	171.69	3.8%
10:15 AM	287.84	71.96	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	223.65	55.91	1.2%	223.65	55.91	1.2%
10:30 AM	294.24	73.56	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	299.30	74.83	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	298.98	74.74	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	300.55	75.14	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	301.03	75.26	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	303.60	75.90	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	305.19	76.30	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	308.97	77.24	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	311.69	77.92	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	316.70	79.17	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	553.31	138.33	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,197.95	299.49	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,975.38	493.85	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,049.11	762.28	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,437.46	1,109.36	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,223.37	1,555.84	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,343.73	2,085.93	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	11,131.13	2,782.78	62.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	13,202.21	3,300.55	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	15,063.72	3,765.93	84.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	18.31	4.58	0.1%	18.31	4.58	0.1%
3:30 PM	16,289.07	4,072.27	91.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	421.14	105.28	2.4%	421.14	105.28	2.4%
3:45 PM	16,515.23	3,303.05	92.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,269.10	253.82	7.1%	1,269.10	253.82	7.1%
3:54 PM	16,677.95	1,334.24	93.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,222.51	97.80	6.8%	1,222.51	97.80	6.8%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	11,474.06	1,032.67	64.1%	2,756.81	248.11	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,756.81	248.11	15.4%	2,756.81	248.11	15.4%
8:15 AM	9,325.99	1,958.46	52.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,219.81	1,554.95	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,183.15	1,045.79	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	671.96	167.99	3.8%	671.96	167.99	3.8%
9:00 AM	2,414.27	603.57	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,031.01	507.75	11.3%	2,031.01	507.75	11.3%
9:15 AM	1,418.74	354.69	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,344.09	586.02	13.1%	2,344.09	586.02	13.1%
9:30 AM	753.60	188.40	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,933.44	483.36	10.8%	1,933.44	483.36	10.8%
9:45 AM	334.54	83.63	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,548.56	387.14	8.6%	1,548.56	387.14	8.6%
10:00 AM	284.56	71.14	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	934.62	233.65	5.2%	934.62	233.65	5.2%
10:15 AM	295.93	73.98	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	374.26	93.57	2.1%	374.26	93.57	2.1%
10:30 AM	302.99	75.75	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	308.76	77.19	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	308.50	77.12	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	309.85	77.46	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	310.10	77.52	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	312.48	78.12	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	313.88	78.47	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	317.93	79.48	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	320.73	80.18	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	326.05	81.51	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	597.46	149.37	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,260.85	315.21	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,070.64	517.66	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,237.87	809.47	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,717.45	1,179.36	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,594.91	1,648.73	36.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,840.23	2,210.06	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	11,740.41	2,935.10	65.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	13,723.99	3,431.00	76.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	15,657.60	3,914.40	87.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	24.92	6.23	0.1%	24.92	6.23	0.1%
3:30 PM	16,606.76	4,151.69	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	425.30	106.32	2.4%	425.30	106.32	2.4%
3:45 PM	16,821.72	3,027.91	94.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,022.24	184.00	5.7%	1,022.24	184.00	5.7%
3:51 PM	16,872.23	843.61	94.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,028.23	51.41	5.7%	1,028.23	51.41	5.7%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	11,758.57	470.34	65.7%	3,853.72	154.15	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,853.72	154.15	21.5%	3,853.72	154.15	21.5%
8:15 AM	10,790.44	1,834.38	60.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,563.64	1,890.91	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,332.62	1,333.15	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	254.56	63.64	1.4%	254.56	63.64	1.4%
9:00 AM	3,008.39	752.10	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,829.83	457.46	10.2%	1,829.83	457.46	10.2%
9:15 AM	1,787.87	446.97	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,668.38	667.09	14.9%	2,668.38	667.09	14.9%
9:30 AM	946.58	236.65	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,272.60	568.15	12.7%	2,272.60	568.15	12.7%
9:45 AM	432.38	108.10	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,795.57	448.89	10.0%	1,795.57	448.89	10.0%
10:00 AM	289.11	72.28	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,197.07	299.27	6.7%	1,197.07	299.27	6.7%
10:15 AM	301.47	75.37	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	549.55	137.39	3.1%	549.55	137.39	3.1%
10:30 AM	309.26	77.31	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	29.51	7.38	0.2%	29.51	7.38	0.2%
10:45 AM	315.80	78.95	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	316.21	79.05	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	317.10	79.27	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	317.13	79.28	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	319.73	79.93	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	321.12	80.28	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	324.82	81.20	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	327.59	81.90	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	332.92	83.23	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	595.05	148.76	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,271.68	317.92	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,099.26	524.81	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,298.53	824.63	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,813.44	1,203.36	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,731.96	1,682.99	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,033.67	2,258.42	50.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	11,968.49	2,992.12	66.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	13,944.14	3,486.03	77.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	15,961.94	3,990.49	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10.77	2.69	0.1%	10.77	2.69	0.1%
3:30 PM	16,859.48	4,214.87	94.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	323.17	80.79	1.8%	323.17	80.79	1.8%
3:45 PM	17,072.07	2,902.25	95.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	793.33	134.87	4.4%	793.33	134.87	4.4%
3:51 PM	17,102.17	855.11	95.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	798.28	39.91	4.5%	798.28	39.91	4.5%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	11,946.16	1,433.54	66.7%	3,694.40	443.33	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,694.40	443.33	20.6%	3,694.40	443.33	20.6%
8:30 AM	8,896.45	2,224.11	49.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,248.98	1,562.25	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13.60	3.40	0.1%	13.60	3.40	0.1%
9:00 AM	3,687.10	921.77	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,462.25	365.56	8.2%	1,462.25	365.56	8.2%
9:15 AM	2,173.12	543.28	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,770.77	692.69	15.5%	2,770.77	692.69	15.5%
9:30 AM	1,175.05	293.76	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,590.82	647.70	14.5%	2,590.82	647.70	14.5%
9:45 AM	550.87	137.72	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,030.53	507.63	11.3%	2,030.53	507.63	11.3%
10:00 AM	290.50	72.62	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,451.57	362.89	8.1%	1,451.57	362.89	8.1%
10:15 AM	303.89	75.97	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	738.75	184.69	4.1%	738.75	184.69	4.1%
10:30 AM	312.51	78.13	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	151.28	37.82	0.8%	151.28	37.82	0.8%
10:45 AM	319.91	79.98	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	320.98	80.25	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	321.81	80.45	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	321.60	80.40	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	323.91	80.98	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	325.18	81.29	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	328.91	82.23	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	331.55	82.89	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	336.87	84.22	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	537.39	134.35	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,204.53	301.13	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,022.46	505.62	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,200.05	800.01	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,706.54	1,176.63	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,610.71	1,652.68	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,893.95	2,223.49	49.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	11,816.39	2,954.10	66.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	13,873.28	3,468.32	77.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	15,902.73	3,975.68	88.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6.69	1.67	0.0%	6.69	1.67	0.0%
3:30 PM	16,994.57	4,248.64	94.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	232.59	58.15	1.3%	232.59	58.15	1.3%
3:45 PM	17,230.48	3,101.49	96.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	632.61	113.87	3.5%	632.61	113.87	3.5%
3:52 PM	17,263.27	1,035.80	96.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	637.19	38.23	3.6%	637.19	38.23	3.6%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	12,019.31	961.54	67.1%	3,232.42	258.59	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,232.42	258.59	18.1%	3,232.42	258.59	18.1%
8:30 AM	9,952.35	2,089.99	55.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,858.66	1,714.67	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,388.51	1,097.13	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,020.58	255.15	5.7%	1,020.58	255.15	5.7%
9:15 AM	2,525.10	631.27	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,573.02	643.26	14.4%	2,573.02	643.26	14.4%
9:30 AM	1,401.59	350.40	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,840.53	710.13	15.9%	2,840.53	710.13	15.9%
9:45 AM	678.86	169.71	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,208.52	552.13	12.3%	2,208.52	552.13	12.3%
10:00 AM	289.41	72.35	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,663.12	415.78	9.3%	1,663.12	415.78	9.3%
10:15 AM	303.14	75.78	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	919.00	229.75	5.1%	919.00	229.75	5.1%
10:30 AM	312.48	78.12	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	281.13	70.28	1.6%	281.13	70.28	1.6%
10:45 AM	320.65	80.16	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	323.00	80.75	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	323.68	80.92	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	323.28	80.82	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	325.39	81.35	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	326.13	81.53	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	330.08	82.52	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	332.57	83.14	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	337.73	84.43	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	454.73	113.68	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,075.08	268.77	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,863.80	465.95	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,967.76	741.94	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,427.68	1,106.92	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	6,273.23	1,568.31	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,470.65	2,117.66	47.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	11,336.85	2,834.21	63.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	13,565.82	3,391.45	75.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	15,587.80	3,896.95	87.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5.49	1.37	0.0%	5.49	1.37	0.0%
3:30 PM	16,994.69	4,248.67	94.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	161.15	40.29	0.9%	161.15	40.29	0.9%
3:45 PM	17,284.57	3,629.76	96.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	558.82	117.35	3.1%	558.82	117.35	3.1%
3:54 PM	17,327.89	1,386.23	96.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	572.56	45.81	3.2%	572.56	45.81	3.2%

EXHIBIT F8: CIVIC CENTER PLAZA DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	103,306.58	11,363.72	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	80,926.40	18,613.07	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	54,765.61	13,691.40	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	36,503.42	9,125.86	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	24,957.06	6,239.27	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	15,415.18	3,853.80	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,874.31	1,968.58	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,533.34	1,133.34	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,453.32	1,113.33	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,386.07	1,096.52	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,332.79	1,083.20	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,282.26	1,070.57	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,237.60	1,059.40	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,194.47	1,048.62	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,155.16	1,038.79	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,113.89	1,028.47	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,077.03	1,019.26	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,035.68	1,008.92	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,000.46	1,000.12	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,961.65	990.41	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,930.72	982.68	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,890.48	972.62	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,858.77	964.69	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,814.32	953.58	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,780.59	945.15	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,731.16	932.79	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,755.05	938.76	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,762.99	940.75	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,787.05	946.76	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,793.98	948.50	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,814.75	953.69	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,822.76	955.69	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,840.87	960.22	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,851.75	962.94	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,871.77	967.94	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,885.85	971.46	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,905.70	976.43	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,931.46	982.86	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,019.81	1,004.95	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,178.25	1,044.56	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,619.65	1,154.91	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,552.71	1,388.18	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,762.80	1,940.70	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	11,090.34	2,772.59	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	15,438.17	3,859.54	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	23,082.13	5,770.53	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	34,287.98	8,571.99	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	47,216.27	11,804.07	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	62,800.61	15,700.15	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	81,364.86	20,341.22	36.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	103,625.00	31,087.50	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	157,926.89	28,426.84	70.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	103,079.63	10,307.96	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	84,461.35	18,581.50	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	57,917.48	14,479.37	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	38,334.08	9,583.52	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	26,422.54	6,605.63	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	16,518.83	4,129.71	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	8,741.12	2,185.28	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,548.49	1,137.12	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,466.73	1,116.68	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,398.00	1,099.50	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,344.04	1,086.01	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,292.34	1,073.09	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,247.08	1,061.77	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,203.59	1,050.90	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,163.96	1,040.99	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,122.60	1,030.65	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,085.29	1,021.32	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,043.86	1,010.96	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,008.33	1,002.08	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,968.83	992.21	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,938.17	984.54	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,898.11	974.53	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,866.32	966.58	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,822.19	955.55	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,788.40	947.10	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,739.25	934.81	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,757.17	939.29	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,765.47	941.37	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,789.48	947.37	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,796.43	949.11	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,817.24	954.31	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,825.27	956.32	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,843.34	960.83	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,853.94	963.49	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,873.84	968.46	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,888.07	972.02	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,907.90	976.98	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,928.68	982.17	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,009.65	1,002.41	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,157.53	1,039.38	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,576.86	1,144.22	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,442.67	1,360.67	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,570.22	1,892.55	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	10,824.35	2,706.09	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	15,089.77	3,772.44	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	22,412.01	5,603.00	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	33,499.44	8,374.86	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	46,321.55	11,580.39	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	62,030.70	15,507.67	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	80,134.19	20,033.55	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	101,739.67	30,521.90	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	157,564.39	28,361.59	70.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	102,737.52	6,164.25	46.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	90,327.36	17,162.20	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	63,975.79	15,993.95	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	41,205.20	10,301.30	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	28,498.87	7,124.72	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	18,149.84	4,537.46	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,017.25	2,504.31	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,577.11	1,144.28	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,492.79	1,123.20	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,423.18	1,105.80	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,366.37	1,091.59	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,313.81	1,078.45	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,268.32	1,067.08	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,223.05	1,055.76	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,183.35	1,045.84	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,140.75	1,035.19	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,102.87	1,025.72	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,060.77	1,015.19	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,024.53	1,006.13	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,984.58	996.14	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,953.39	988.35	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,913.30	978.33	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,881.53	970.38	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,837.32	959.33	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,803.85	950.96	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,754.78	938.69	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,768.32	942.08	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,776.98	944.25	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,800.67	950.17	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,807.53	951.88	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,828.11	957.03	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,836.28	959.07	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,854.53	963.63	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,864.49	966.12	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,884.64	971.16	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,898.95	974.74	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,919.14	979.78	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,936.21	984.05	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,999.95	999.99	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,148.60	1,037.15	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,572.25	1,143.06	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,447.22	1,361.81	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,587.03	1,896.76	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	10,847.07	2,711.77	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	15,112.46	3,778.11	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	22,588.34	5,647.09	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	33,755.62	8,438.90	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	46,859.07	11,714.77	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	62,612.48	15,653.12	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	80,692.41	20,173.10	36.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	101,941.43	30,582.43	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	156,455.99	28,162.08	70.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	103,480.40	3,104.41	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	98,669.15	14,800.37	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	72,569.24	18,142.31	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	45,057.61	11,264.40	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	31,251.30	7,812.83	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	20,363.31	5,090.83	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,710.13	2,927.53	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,023.67	1,255.92	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,531.68	1,132.92	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,461.45	1,115.36	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,401.66	1,100.41	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,347.95	1,086.99	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,301.13	1,075.28	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,254.00	1,063.50	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,212.55	1,053.14	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,168.61	1,042.15	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,129.58	1,032.39	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,086.45	1,021.61	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,048.88	1,012.22	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,008.33	1,002.08	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,976.75	994.19	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,936.39	984.10	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,904.43	976.11	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,860.37	965.09	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,826.40	956.60	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,777.85	944.46	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,788.14	947.04	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,797.11	949.28	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,820.88	955.22	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,827.90	956.98	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,848.11	962.03	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,855.42	963.85	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,874.02	968.51	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,884.55	971.14	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,903.60	975.90	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,918.51	979.63	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,939.42	984.85	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,957.18	989.30	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,991.22	997.81	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,152.44	1,038.11	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,606.94	1,151.73	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,579.35	1,394.84	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,819.46	1,954.87	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	11,158.47	2,789.62	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	15,509.26	3,877.32	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	23,620.89	5,905.22	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	35,092.06	8,773.01	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	49,022.87	12,255.72	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	64,404.29	16,101.07	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	83,276.29	20,819.07	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	105,286.91	29,480.33	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	154,849.39	23,227.41	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	109,275.74	14,205.85	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	78,934.09	18,944.18	35.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	49,622.40	11,909.38	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	34,605.28	8,651.32	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	23,107.24	5,776.81	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,736.74	3,434.19	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,453.78	1,613.45	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,586.75	1,146.69	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,513.20	1,128.30	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,450.71	1,112.68	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,394.41	1,098.60	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,344.78	1,086.20	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,295.54	1,073.89	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,251.54	1,062.89	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,205.60	1,051.40	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,164.94	1,041.24	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,120.22	1,030.05	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,081.39	1,020.35	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,039.35	1,009.84	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,007.38	1,001.85	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,966.51	991.63	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,934.24	983.56	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,890.14	972.53	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,855.97	963.99	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,807.41	951.85	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,817.36	954.34	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,826.46	956.61	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,849.76	962.44	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,856.95	964.24	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,877.30	969.33	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,883.95	970.99	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,902.20	975.55	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,913.12	978.28	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,933.11	983.28	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,946.62	986.66	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,968.55	992.14	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,987.04	996.76	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,011.91	1,002.98	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,178.99	1,044.75	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,688.09	1,172.02	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,888.12	1,472.03	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	8,325.60	2,081.40	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	11,813.24	2,953.31	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	16,383.47	4,095.87	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	25,671.12	6,417.78	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	37,742.61	9,435.65	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	53,145.68	13,286.42	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	68,329.89	17,082.47	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	88,849.64	22,212.41	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	112,075.30	28,018.82	50.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	153,065.95	19,898.57	68.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	109,392.24	6,563.53	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	87,906.05	16,702.15	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	55,397.69	13,849.42	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	38,748.25	9,687.06	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	26,454.34	6,613.58	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	16,160.43	4,040.11	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,256.91	2,064.23	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,657.51	1,164.38	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,580.05	1,145.01	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,514.93	1,128.73	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,453.99	1,113.50	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,400.39	1,100.10	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,347.44	1,086.86	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,300.55	1,075.14	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,252.12	1,063.03	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,209.41	1,052.35	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,162.44	1,040.61	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,122.01	1,030.50	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,078.02	1,019.51	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,045.53	1,011.38	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,003.91	1,000.98	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,971.16	992.79	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,926.93	981.73	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,892.21	973.05	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,843.91	960.98	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,855.24	963.81	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,864.52	966.13	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,887.19	971.80	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,894.77	973.69	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,914.72	978.68	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,921.85	980.46	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,940.23	985.06	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,950.49	987.62	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,971.49	992.87	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,984.85	996.21	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,006.37	1,001.59	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,025.99	1,006.50	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,056.48	1,014.12	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,247.60	1,061.90	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,837.97	1,209.49	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,413.35	1,603.34	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	9,112.56	2,278.14	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	12,810.63	3,202.66	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	18,319.63	4,579.91	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	28,796.12	7,199.03	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	41,813.88	10,453.47	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	58,396.18	14,599.05	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	74,660.14	18,665.03	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	96,965.29	24,241.32	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	123,040.23	25,838.45	55.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	151,640.55	13,647.65	68.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	100,615.10	2,012.30	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	92,767.04	13,915.06	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	62,051.62	15,512.91	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	43,573.30	10,893.32	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	29,998.31	7,499.58	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	18,908.47	4,727.12	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,330.05	2,582.51	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,748.11	1,187.03	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,664.22	1,166.05	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,592.27	1,148.07	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,525.30	1,131.32	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,466.82	1,116.71	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,409.41	1,102.35	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,358.83	1,089.71	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,306.89	1,076.72	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,261.47	1,065.37	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,211.89	1,052.97	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,169.44	1,042.36	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,123.78	1,030.95	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,090.04	1,022.51	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,047.89	1,011.97	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,014.50	1,003.62	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,970.19	992.55	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,934.90	983.73	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,886.54	971.64	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,901.94	975.49	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,911.29	977.82	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,933.35	983.34	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,941.03	985.26	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,960.73	990.18	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,968.16	992.04	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,987.43	996.86	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,998.69	999.67	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,019.43	1,004.86	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,033.86	1,008.46	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,055.92	1,013.98	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,074.89	1,018.72	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,134.03	1,033.51	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,448.88	1,112.22	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,216.42	1,304.10	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,238.05	1,809.51	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	10,252.01	2,563.00	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	14,298.48	3,574.62	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	21,969.10	5,492.27	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	33,364.49	8,341.12	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	47,748.13	11,937.03	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	65,596.99	16,399.25	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	83,470.52	20,867.63	37.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	108,053.30	27,013.33	48.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	139,778.56	20,966.78	62.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	150,174.98	4,505.25	67.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	95,548.88	8,599.40	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	70,753.56	14,858.25	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	49,357.26	12,339.32	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	34,013.74	8,503.44	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	22,129.48	5,532.37	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,688.81	3,172.20	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,445.99	1,361.50	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,764.47	1,191.12	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,683.78	1,170.94	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,609.21	1,152.30	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,544.93	1,136.23	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,482.21	1,120.55	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,428.56	1,107.14	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,371.60	1,092.90	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,323.57	1,080.89	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,270.87	1,067.72	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,226.03	1,056.51	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,178.00	1,044.50	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,142.93	1,035.73	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,099.38	1,024.85	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,065.19	1,016.30	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,019.94	1,004.99	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,984.24	996.06	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,936.20	984.05	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,957.60	989.40	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,966.27	991.57	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,987.72	996.93	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,995.57	998.89	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,015.08	1,003.77	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,022.94	1,005.73	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,043.48	1,010.87	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,056.83	1,014.21	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,079.12	1,019.78	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,093.22	1,023.30	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,115.66	1,028.92	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,135.16	1,033.79	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,264.63	1,066.16	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,717.92	1,179.48	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,981.43	1,495.36	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	8,406.64	2,101.66	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	11,797.26	2,949.31	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	16,616.74	4,154.19	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	26,845.59	6,711.40	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	39,563.96	9,890.99	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	55,599.10	13,899.77	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	75,267.22	18,816.80	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	94,284.91	32,056.87	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	149,171.34	31,325.98	66.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	93,122.98	3,724.92	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	82,097.86	13,956.64	36.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	56,085.90	14,021.48	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	38,754.96	9,688.74	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	25,905.12	6,476.28	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	15,323.16	3,830.79	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	7,298.75	1,824.69	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,882.57	1,220.64	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,792.08	1,198.02	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,708.55	1,177.14	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,637.70	1,159.42	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,568.52	1,142.13	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,509.53	1,127.38	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,448.31	1,112.08	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,395.79	1,098.95	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,339.32	1,084.83	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,291.47	1,072.87	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,240.59	1,060.15	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,203.87	1,050.97	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,158.74	1,039.69	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,123.12	1,030.78	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,077.01	1,019.25	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,040.37	1,010.09	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,999.65	999.91	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,021.31	1,005.33	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,029.82	1,007.46	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,050.22	1,012.56	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,057.87	1,014.47	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,077.54	1,019.39	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,086.18	1,021.54	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,108.92	1,027.23	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,124.14	1,031.04	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,148.33	1,037.08	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,164.76	1,041.19	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,189.55	1,047.39	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,224.62	1,056.15	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,511.94	1,127.98	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,204.97	1,301.24	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	7,162.52	1,790.63	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	9,984.85	2,496.21	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	13,846.57	3,461.64	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	21,578.80	5,394.70	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	33,113.82	8,278.46	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	47,641.94	11,910.48	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	65,399.13	16,349.78	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	86,177.56	21,544.39	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	107,668.94	29,070.61	48.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	148,527.92	20,793.91	66.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	92,072.47	10,127.97	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	63,952.29	14,709.03	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	43,805.25	10,951.31	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	29,356.11	7,339.03	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	17,894.92	4,473.73	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,239.21	2,309.80	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,022.89	1,255.72	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,919.72	1,229.93	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,824.94	1,206.23	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,745.42	1,186.36	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,668.01	1,167.00	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,602.42	1,150.61	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,535.24	1,133.81	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,478.50	1,119.62	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,417.24	1,104.31	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,366.20	1,091.55	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,312.02	1,078.00	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,272.84	1,068.21	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,225.40	1,056.35	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,188.20	1,047.05	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,140.41	1,035.10	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,102.63	1,025.66	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,072.25	1,018.06	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,093.79	1,023.45	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,102.00	1,025.50	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,121.77	1,030.44	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,129.38	1,032.34	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,148.60	1,037.15	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,158.68	1,039.67	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,183.84	1,045.96	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,201.53	1,050.38	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,228.36	1,057.09	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,247.38	1,061.84	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,275.63	1,068.91	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,402.02	1,100.50	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,884.60	1,221.15	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,278.03	1,569.51	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	8,884.10	2,221.03	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	12,221.16	3,055.29	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	17,683.13	4,420.78	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	28,194.92	7,048.73	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	41,532.70	10,383.17	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	58,025.13	14,506.28	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	78,012.48	19,503.12	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	98,927.53	24,731.88	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	125,956.09	23,931.66	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	147,634.49	8,858.07	66.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	90,593.71	5,435.62	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	72,170.26	13,712.35	32.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	49,064.26	12,266.06	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	32,872.29	8,218.07	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	20,692.06	5,173.02	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	11,336.52	2,834.13	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,185.35	1,296.34	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,065.21	1,266.30	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,956.44	1,239.11	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,866.22	1,216.55	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,779.27	1,194.82	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,706.41	1,176.60	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,632.04	1,158.01	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,570.06	1,142.52	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,503.77	1,125.94	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,448.64	1,112.16	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,391.08	1,097.77	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,349.25	1,087.31	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,299.35	1,074.84	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,260.10	1,065.03	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,211.02	1,052.75	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,171.80	1,042.95	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,154.10	1,038.52	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,174.70	1,043.68	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,182.48	1,045.62	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,202.17	1,050.54	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,209.78	1,052.45	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,229.51	1,057.38	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,241.90	1,060.48	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,270.03	1,067.51	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,288.85	1,072.21	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,318.82	1,079.70	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,341.37	1,085.34	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,400.73	1,100.18	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,744.89	1,186.22	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,688.89	1,422.22	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	7,977.55	1,994.39	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	11,220.98	2,805.24	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	15,227.88	3,806.97	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	24,486.00	6,121.50	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	36,569.15	9,142.29	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	52,028.23	13,007.06	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	70,761.56	17,690.39	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	90,971.39	22,742.85	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	115,196.99	26,495.31	51.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	143,263.15	15,758.95	64.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	90,963.12	11,825.21	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	54,389.50	13,597.38	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	36,803.25	9,200.81	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	23,720.61	5,930.15	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,531.16	3,382.79	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,076.88	1,519.22	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,230.14	1,307.53	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,104.29	1,276.07	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,001.08	1,250.27	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,902.55	1,225.64	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,821.33	1,205.33	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,739.27	1,184.82	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,670.91	1,167.73	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,599.08	1,149.77	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,539.47	1,134.87	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,478.24	1,119.56	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,433.26	1,108.32	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,380.54	1,095.13	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,339.37	1,084.84	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,288.44	1,072.11	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,247.75	1,061.94	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,243.87	1,060.97	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,264.12	1,066.03	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,271.67	1,067.92	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,291.81	1,072.95	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,300.67	1,075.17	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,322.29	1,080.57	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,338.16	1,084.54	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,368.16	1,092.04	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,389.07	1,097.27	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,422.03	1,105.51	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,448.29	1,112.07	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,646.23	1,161.56	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,270.15	1,317.54	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	7,313.75	1,828.44	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	10,392.98	2,598.24	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	14,294.07	3,573.52	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	21,552.10	5,388.03	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	32,904.44	8,226.11	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	47,213.56	11,803.39	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	64,772.80	16,193.20	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	84,630.05	21,157.51	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	106,528.66	28,762.74	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	143,520.85	20,092.92	64.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	87,436.51	6,994.92	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	61,702.32	12,957.49	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	41,507.83	10,376.96	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	26,863.75	6,715.94	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	15,819.60	3,954.90	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,747.47	1,936.87	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,416.07	1,354.02	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,268.63	1,317.16	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,149.36	1,287.34	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,038.32	1,259.58	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,946.76	1,236.69	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,856.08	1,214.02	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,780.77	1,195.19	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,702.22	1,175.55	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,637.62	1,159.41	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,572.91	1,143.23	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,524.82	1,131.20	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,468.98	1,117.24	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,425.73	1,106.43	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,373.09	1,093.27	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,336.54	1,084.13	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,341.88	1,085.47	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,361.27	1,090.32	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,369.05	1,092.26	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,390.33	1,097.58	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,400.36	1,100.09	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,425.40	1,106.35	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,446.11	1,111.53	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,479.52	1,119.88	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,503.92	1,125.98	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,540.76	1,135.19	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,630.49	1,157.62	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,117.51	1,279.38	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,607.31	1,651.83	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	9,735.61	2,433.90	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	13,536.67	3,384.17	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	19,365.70	4,841.43	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	29,998.47	7,499.62	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	43,632.96	10,908.24	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	60,068.60	15,017.15	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	79,566.06	19,891.52	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	99,835.16	24,958.79	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	127,110.32	22,879.86	57.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	141,953.46	7,097.67	63.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	86,651.97	1,733.04	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	71,352.63	10,702.89	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	47,338.34	11,834.59	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	30,291.11	7,572.78	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	18,287.83	4,571.96	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,586.64	2,396.66	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,626.12	1,406.53	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,452.08	1,363.02	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,313.82	1,328.46	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,186.57	1,296.64	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,083.63	1,270.91	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,982.82	1,245.70	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,899.87	1,224.97	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,814.48	1,203.62	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,744.43	1,186.11	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,675.56	1,168.89	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,623.80	1,155.95	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,565.06	1,141.26	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,519.61	1,129.90	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,465.26	1,116.32	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,440.35	1,110.09	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,447.01	1,111.75	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,466.40	1,116.60	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,475.05	1,118.76	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,497.21	1,124.30	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,510.10	1,127.53	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,540.70	1,135.18	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,565.01	1,141.25	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,602.41	1,150.60	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,631.00	1,157.75	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,682.26	1,170.56	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,006.49	1,251.62	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,055.77	1,513.94	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,935.37	2,233.84	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,952.88	3,238.22	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	17,625.02	4,406.25	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	27,660.86	6,915.22	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	40,403.69	10,100.92	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	56,515.97	14,128.99	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	75,505.24	18,876.31	33.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	95,000.29	23,750.07	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	118,901.11	24,969.23	53.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	141,298.94	11,303.92	63.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	82,081.86	8,208.19	36.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	53,893.94	11,856.67	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	34,935.25	8,733.81	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	21,119.04	5,279.76	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	11,553.43	2,888.36	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,861.87	1,465.47	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,655.81	1,413.95	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,495.15	1,373.79	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,349.11	1,337.28	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,232.03	1,308.01	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,120.22	1,280.05	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,028.68	1,257.17	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,935.51	1,233.88	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,859.48	1,214.87	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,786.01	1,196.50	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,730.32	1,182.58	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,668.22	1,167.06	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,621.18	1,155.30	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,564.65	1,141.16	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,555.04	1,138.76	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,561.25	1,140.31	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,579.71	1,144.93	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,589.27	1,147.32	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,613.30	1,153.32	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,629.95	1,157.49	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,666.45	1,166.61	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,694.31	1,173.58	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,737.16	1,184.29	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,771.66	1,192.91	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,958.57	1,239.64	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,634.30	1,408.57	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,084.55	2,021.14	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	12,133.68	3,033.42	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	16,983.61	4,245.90	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	25,441.40	6,360.35	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	37,712.85	9,428.21	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	53,026.36	13,256.59	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	71,681.47	17,920.37	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	90,963.00	22,740.75	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	113,602.81	26,128.65	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	142,459.72	15,670.57	63.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	78,184.63	3,127.39	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	64,552.66	10,973.95	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	42,303.49	10,575.87	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	26,570.05	6,642.51	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	15,109.34	3,777.34	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,855.72	1,713.93	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,883.73	1,470.93	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,695.88	1,423.97	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,527.91	1,381.98	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,395.08	1,348.77	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,269.64	1,317.41	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,168.31	1,292.08	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,066.39	1,266.60	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,984.06	1,246.02	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,904.89	1,226.22	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,845.65	1,211.41	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,780.40	1,195.10	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,731.34	1,182.84	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,672.81	1,168.20	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,674.85	1,168.71	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,679.23	1,169.81	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,700.14	1,175.04	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,711.77	1,177.94	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,737.85	1,184.46	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,760.19	1,190.05	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,801.62	1,200.41	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,833.89	1,208.47	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,882.85	1,220.71	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,960.37	1,240.09	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,486.70	1,371.67	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	7,161.29	1,790.32	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	11,103.66	2,775.91	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	16,059.55	4,014.89	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	23,444.77	5,861.19	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	34,890.48	8,722.62	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	49,797.05	12,449.26	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	67,513.03	16,878.26	30.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	87,265.34	21,816.33	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	108,348.46	29,254.08	48.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	143,924.77	20,149.47	64.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	81,036.62	9,724.39	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	52,421.08	12,581.06	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	34,413.26	8,603.31	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	21,051.49	5,262.87	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	11,492.92	2,873.23	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,748.81	1,937.20	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,240.83	1,560.21	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,760.87	1,440.22	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,572.37	1,393.09	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,431.20	1,357.80	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,318.91	1,329.73	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,207.66	1,301.92	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,117.81	1,279.45	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,032.92	1,258.23	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,969.29	1,242.32	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,900.50	1,225.12	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,849.32	1,212.33	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,793.26	1,198.31	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,803.88	1,200.97	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,807.43	1,201.86	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,828.55	1,207.14	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,840.88	1,210.22	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,871.35	1,217.84	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,899.63	1,224.91	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,945.39	1,236.35	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,983.06	1,245.76	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,038.93	1,259.73	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,328.62	1,332.16	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,461.59	1,615.40	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	9,681.35	2,420.34	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	14,900.42	3,725.11	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	20,724.24	5,181.06	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	32,176.06	8,044.01	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	46,091.24	11,522.81	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	63,474.81	15,868.70	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	82,869.22	20,717.31	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	103,373.58	25,843.40	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	128,881.56	24,487.50	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	146,025.02	8,761.50	65.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	88,164.95	5,289.90	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	65,082.16	11,714.79	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	44,023.61	11,005.90	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	28,799.12	7,199.78	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	17,832.32	4,458.08	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	11,470.75	2,867.69	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	9,631.52	2,407.88	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,842.27	1,960.57	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,522.75	1,630.69	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,848.84	1,462.21	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,508.70	1,377.18	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,358.38	1,339.59	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,260.46	1,315.12	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,169.15	1,292.29	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,100.54	1,275.14	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,028.31	1,257.08	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,975.23	1,243.81	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,926.24	1,231.56	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,937.39	1,234.35	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,939.96	1,234.99	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,962.57	1,240.64	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,976.66	1,244.17	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,012.86	1,253.21	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,045.38	1,261.34	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	5,096.77	1,274.19	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,140.42	1,285.11	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,204.28	1,301.07	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,912.26	1,478.07	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	8,337.18	2,084.30	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	13,011.86	3,252.97	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	19,324.25	4,831.06	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	28,649.63	7,162.41	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	40,763.86	10,190.97	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	57,487.22	14,371.81	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	78,425.12	19,606.28	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	97,984.96	24,496.24	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	119,486.32	26,286.99	53.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	148,647.80	14,864.78	66.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	96,442.78	12,537.56	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	55,928.21	13,982.05	25.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	37,718.46	9,429.62	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	25,370.22	6,342.55	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	16,391.49	4,097.87	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,853.48	3,463.37	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	11,356.03	2,839.01	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,907.66	2,476.92	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,334.99	2,083.75	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,120.77	1,780.19	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,018.00	1,504.50	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,627.39	1,406.85	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,313.60	1,328.40	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,239.69	1,309.92	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,254.00	1,313.50	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,295.06	1,323.77	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,063.48	1,265.87	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,074.64	1,268.66	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,076.94	1,269.23	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,100.99	1,275.25	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,117.03	1,279.26	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,159.56	1,289.89	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,196.08	1,299.02	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,253.15	1,313.29	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,303.19	1,325.80	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,377.08	1,344.27	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	6,655.48	1,663.87	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	10,532.32	2,633.08	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,325.12	4,081.28	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	24,255.51	6,063.88	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	36,287.06	9,071.76	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	49,759.20	12,439.80	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	68,328.64	17,082.16	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	88,687.22	22,171.80	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	111,541.92	27,885.48	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	139,079.01	20,861.85	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	147,031.96	4,410.96	65.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	102,689.44	7,188.26	46.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	70,870.67	13,465.43	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	48,592.48	12,148.12	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	35,995.54	8,998.89	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	23,160.56	5,790.14	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	18,772.14	4,693.03	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	15,868.05	3,967.01	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	13,792.54	3,448.13	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	11,733.37	2,933.34	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	10,422.96	2,605.74	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	8,776.86	2,194.22	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	7,619.14	1,904.78	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	6,382.90	1,595.72	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,908.55	1,477.14	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	6,294.45	1,573.61	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	6,539.78	1,634.95	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	6,139.04	1,534.76	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	6,018.56	1,504.64	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,780.23	1,445.06	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,712.66	1,428.16	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,537.93	1,384.48	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,540.04	1,385.01	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,445.24	1,361.31	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,541.45	1,385.36	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,475.56	1,368.89	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,553.40	1,388.35	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	7,524.09	1,881.02	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	12,465.79	3,116.45	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	18,895.44	4,723.86	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	28,834.57	7,208.64	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	41,140.37	10,285.09	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	55,767.85	13,941.96	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	75,789.40	18,947.35	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	98,750.79	24,687.70	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	125,989.34	26,457.76	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	149,300.49	13,437.04	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	18.25	1.64	0.0%	18.25	1.64	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	106,228.54	1,062.29	47.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	100,621.18	13,080.75	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	61,344.91	15,336.23	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	48,205.25	12,051.31	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	33,810.08	8,452.52	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	24,855.66	6,213.91	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	20,826.04	5,206.51	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	18,216.76	4,554.19	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	15,839.23	3,959.81	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	14,110.76	3,527.69	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	11,946.88	2,986.72	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	10,593.25	2,648.31	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	9,177.22	2,294.30	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	8,576.05	2,144.01	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	9,534.34	2,383.58	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	10,241.00	2,560.25	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	8,692.92	2,173.23	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	8,276.11	2,069.03	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	7,640.51	1,910.13	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	7,493.92	1,873.48	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	7,072.08	1,768.02	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,989.87	1,747.47	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,686.54	1,671.64	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,369.09	1,842.27	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	6,097.53	1,524.38	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,902.06	1,475.52	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	8,434.23	2,108.56	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	14,062.74	3,515.68	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	21,935.32	5,483.83	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	33,355.40	8,338.85	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	46,168.23	11,542.06	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	61,678.27	15,419.57	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	83,031.22	20,757.81	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	109,713.90	27,428.48	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	142,869.15	21,430.37	64.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,342.82	201.42	0.6%	1,342.82	201.42	0.6%
4:03 PM	150,447.62	4,513.43	67.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,437.72	43.13	0.6%	1,437.72	43.13	0.6%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	107,989.14	8,639.13	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	77,789.56	15,557.91	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	59,245.12	14,811.28	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	49,341.15	12,335.29	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	33,929.07	8,482.27	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	26,924.61	6,731.15	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	23,900.72	5,975.18	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,431.70	5,107.92	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,082.08	4,520.52	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	15,588.96	3,897.24	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	13,782.08	3,445.52	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	11,938.48	2,984.62	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	11,464.73	2,866.18	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	13,513.56	3,378.39	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	15,286.49	3,821.62	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	13,316.24	3,329.06	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	12,535.09	3,133.77	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	11,540.94	2,885.24	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	11,509.35	2,877.34	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	10,895.19	2,723.80	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	10,013.29	2,503.32	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	8,773.69	2,193.42	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	11,169.97	2,792.49	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	9,258.55	2,314.64	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	10,098.69	2,524.67	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	13,364.41	3,341.10	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	20,349.92	5,087.48	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	29,101.28	7,275.32	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	39,270.24	9,817.56	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	50,736.26	12,684.06	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	67,224.30	16,806.07	30.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	90,230.95	22,557.74	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	120,403.46	27,692.80	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,006.45	231.48	0.5%	1,006.45	231.48	0.5%
3:57 PM	151,618.33	16,678.02	68.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	792.86	87.21	0.4%	792.86	87.21	0.4%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	109,841.54	2,196.83	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	101,838.76	15,275.81	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	70,503.59	17,625.90	31.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,069.84	267.46	0.5%	1,069.84	267.46	0.5%
8:30 AM	62,362.79	15,590.70	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	464.44	116.11	0.2%	464.44	116.11	0.2%
8:45 AM	46,895.02	11,723.76	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	34,858.35	8,714.59	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	29,647.54	7,411.88	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	26,475.13	6,618.78	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	22,707.89	5,676.97	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,171.60	4,792.90	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	17,061.61	4,265.40	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	14,964.19	3,741.05	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	14,185.99	3,546.50	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,926.48	4,231.62	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	19,874.97	4,968.74	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,790.85	4,447.71	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,869.19	4,217.30	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	15,701.56	3,925.39	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	15,746.97	3,936.74	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	15,218.84	3,804.71	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	13,857.28	3,464.32	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	12,310.50	3,077.62	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	15,403.18	3,850.79	6.9%	28.40	7.10	0.0%	28.40	7.10	0.0%	0.00	0.00	0.0%	28.40	7.10	0.0%	28.40	7.10	0.0%
1:30 PM	15,230.81	3,807.70	6.8%	32.66	8.16	0.0%	32.66	8.16	0.0%	0.00	0.00	0.0%	32.66	8.16	0.0%	32.66	8.16	0.0%
1:45 PM	17,774.85	4,443.71	8.0%	275.53	68.88	0.1%	275.53	68.88	0.1%	0.00	0.00	0.0%	275.53	68.88	0.1%	275.53	68.88	0.1%
2:00 PM	21,710.93	5,427.73	9.7%	763.15	190.79	0.3%	763.15	190.79	0.3%	0.00	0.00	0.0%	763.15	190.79	0.3%	763.15	190.79	0.3%
2:15 PM	28,433.89	7,108.47	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	36,240.17	9,060.04	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	42,814.56	10,703.64	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	54,445.70	13,611.43	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	72,432.93	18,108.23	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	95,603.41	23,900.85	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	129,768.76	25,953.75	58.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,599.80	319.96	0.7%	1,599.80	319.96	0.7%
3:54 PM	152,805.54	12,224.44	68.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,611.65	128.93	0.7%	1,611.65	128.93	0.7%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	113,140.81	10,182.67	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	82,777.91	17,383.36	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,247.31	891.93	1.9%	4,247.31	891.93	1.9%
8:30 AM	71,753.29	17,938.32	32.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,507.49	376.87	0.7%	1,507.49	376.87	0.7%
8:45 AM	60,772.26	15,193.06	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,395.17	348.79	0.6%	1,395.17	348.79	0.6%
9:00 AM	44,478.17	11,119.54	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	37,528.47	9,382.12	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	32,064.99	8,016.25	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	27,676.72	6,919.18	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	22,595.88	5,648.97	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	20,075.68	5,018.92	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	17,721.65	4,430.41	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,551.55	4,137.89	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	19,482.00	4,870.50	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	23,665.17	5,916.29	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	21,826.79	5,456.70	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	20,786.92	5,196.73	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	19,443.84	4,860.96	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	19,584.93	4,896.23	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	19,126.11	4,781.53	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	17,544.30	4,386.07	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,009.35	4,002.34	7.2%	1,995.73	498.93	0.9%	1,995.73	498.93	0.9%	0.00	0.00	0.0%	1,995.73	498.93	0.9%	1,995.73	498.93	0.9%
1:15 PM	19,316.21	4,829.05	8.7%	3,977.39	994.35	1.8%	3,977.39	994.35	1.8%	0.00	0.00	0.0%	3,977.39	994.35	1.8%	3,977.39	994.35	1.8%
1:30 PM	21,017.41	5,254.35	9.4%	2,939.72	734.93	1.3%	2,939.72	734.93	1.3%	0.00	0.00	0.0%	2,939.72	734.93	1.3%	2,939.72	734.93	1.3%
1:45 PM	25,152.05	6,288.01	11.3%	2,721.39	680.35	1.2%	2,721.39	680.35	1.2%	0.00	0.00	0.0%	2,721.39	680.35	1.2%	2,721.39	680.35	1.2%
2:00 PM	29,823.67	7,455.92	13.4%	3,021.17	755.29	1.4%	3,021.17	755.29	1.4%	0.00	0.00	0.0%	3,021.17	755.29	1.4%	3,021.17	755.29	1.4%
2:15 PM	36,773.14	9,193.29	16.5%	255.13	63.78	0.1%	255.13	63.78	0.1%	0.00	0.00	0.0%	255.13	63.78	0.1%	255.13	63.78	0.1%
2:30 PM	43,515.14	10,878.79	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	45,956.41	11,489.10	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	57,280.39	14,320.10	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	76,078.26	19,019.57	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	98,874.49	24,718.62	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	192.36	48.09	0.1%	192.36	48.09	0.1%
3:45 PM	135,596.97	24,407.45	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,389.40	610.09	1.5%	3,389.40	610.09	1.5%
3:51 PM	153,257.50	7,662.87	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,679.70	183.99	1.7%	3,679.70	183.99	1.7%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	116,676.35	4,667.05	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	52.42	2.10	0.0%	52.42	2.10	0.0%
8:15 AM	100,817.31	17,138.94	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,953.28	502.06	1.3%	2,953.28	502.06	1.3%
8:30 AM	79,585.48	19,896.37	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,669.08	1167.27	2.1%	4,669.08	1167.27	2.1%
8:45 AM	73,051.82	18,262.95	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,914.09	728.52	1.3%	2,914.09	728.52	1.3%
9:00 AM	53,409.33	13,352.33	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	45,308.78	11,327.20	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	38,102.11	9,525.53	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	32,319.25	8,079.81	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	26,418.42	6,604.60	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	22,676.33	5,669.08	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	20,057.07	5,014.27	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	18,451.00	4,612.75	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	21,082.91	5,270.73	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	26,247.66	6,561.92	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	25,145.43	6,286.36	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	24,080.05	6,020.01	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	22,469.22	5,617.30	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	22,574.16	5,643.54	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	22,210.58	5,552.65	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	20,779.43	5,194.86	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	19,167.69	4,791.92	8.6%	3,663.65	915.91	1.6%	3,663.65	915.91	1.6%	0.00	0.00	0.0%	3,663.65	915.91	1.6%	3,663.65	915.91	1.6%
1:15 PM	22,401.03	5,600.26	10.0%	7,564.05	1891.01	3.4%	7,564.05	1891.01	3.4%	0.00	0.00	0.0%	7,564.05	1891.01	3.4%	7,564.05	1891.01	3.4%
1:30 PM	25,305.65	6,326.41	11.3%	6,870.19	1717.55	3.1%	6,870.19	1717.55	3.1%	0.00	0.00	0.0%	6,870.19	1717.55	3.1%	6,870.19	1717.55	3.1%
1:45 PM	30,675.14	7,668.78	13.8%	6,150.01	1537.50	2.8%	6,150.01	1537.50	2.8%	0.00	0.00	0.0%	6,150.01	1537.50	2.8%	6,150.01	1537.50	2.8%
2:00 PM	36,025.34	9,006.34	16.2%	5,046.11	1261.53	2.3%	5,046.11	1261.53	2.3%	0.00	0.00	0.0%	5,046.11	1261.53	2.3%	5,046.11	1261.53	2.3%
2:15 PM	43,715.44	10,928.86	19.6%	1,156.64	289.16	0.5%	1,156.64	289.16	0.5%	0.00	0.00	0.0%	1,156.64	289.16	0.5%	1,156.64	289.16	0.5%
2:30 PM	49,585.77	12,396.44	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	49,067.57	12,266.89	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	58,492.34	14,623.08	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	77,530.78	19,382.70	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	100,280.44	25,070.11	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	814.62	203.66	0.4%	814.62	203.66	0.4%
3:45 PM	137,215.68	23,326.67	61.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,094.91	866.13	2.3%	5,094.91	866.13	2.3%
3:51 PM	153,644.13	7,682.21	68.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,392.53	269.63	2.4%	5,392.53	269.63	2.4%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	119,126.05	14,295.13	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	397.89	47.75	0.2%	397.89	47.75	0.2%
8:30 AM	85,924.30	21,481.07	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,650.37	1912.59	3.4%	7,650.37	1912.59	3.4%
8:45 AM	80,512.28	20,128.07	36.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,049.61	1262.40	2.3%	5,049.61	1262.40	2.3%
9:00 AM	62,962.61	15,740.65	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,158.97	289.74	0.5%	1,158.97	289.74	0.5%
9:15 AM	51,431.46	12,857.86	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	43,505.53	10,876.38	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	36,307.79	9,076.95	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	29,677.55	7,419.39	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	24,861.64	6,215.41	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	21,840.52	5,460.13	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	19,928.37	4,982.09	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	21,774.56	5,443.64	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,567.58	6,891.90	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	27,398.14	6,849.53	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	26,254.04	6,563.51	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	24,777.90	6,194.47	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	24,749.71	6,187.43	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	24,394.23	6,098.56	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	23,291.84	5,822.96	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	21,366.88	5,341.72	9.6%	4,016.56	1004.14	1.8%	4,016.56	1004.14	1.8%	0.00	0.00	0.0%	4,016.56	1004.14	1.8%	4,016.56	1004.14	1.8%
1:15 PM	24,213.06	6,053.27	10.9%	9,633.97	2408.49	4.3%	9,633.97	2408.49	4.3%	0.00	0.00	0.0%	9,633.97	2408.49	4.3%	9,633.97	2408.49	4.3%
1:30 PM	27,389.85	6,847.46	12.3%	9,406.51	2351.63	4.2%	9,406.51	2351.63	4.2%	0.00	0.00	0.0%	9,406.51	2351.63	4.2%	9,406.51	2351.63	4.2%
1:45 PM	33,560.93	8,390.23	15.1%	9,447.50	2361.87	4.2%	9,447.50	2361.87	4.2%	0.00	0.00	0.0%	9,447.50	2361.87	4.2%	9,447.50	2361.87	4.2%
2:00 PM	39,143.44	9,785.86	17.6%	8,575.79	2143.95	3.8%	8,575.79	2143.95	3.8%	0.00	0.00	0.0%	8,575.79	2143.95	3.8%	8,575.79	2143.95	3.8%
2:15 PM	47,732.12	11,933.03	21.4%	2,457.62	614.41	1.1%	2,457.62	614.41	1.1%	0.00	0.00	0.0%	2,457.62	614.41	1.1%	2,457.62	614.41	1.1%
2:30 PM	54,003.03	13,500.76	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	51,920.57	12,980.14	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	57,955.15	14,488.79	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	76,097.85	19,024.46	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	98,569.29	24,642.32	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,079.61	269.90	0.5%	1,079.61	269.90	0.5%
3:45 PM	134,136.25	24,144.52	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,814.85	1046.67	2.6%	5,814.85	1046.67	2.6%
3:52 PM	153,937.53	9,236.25	69.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,541.68	392.50	2.9%	6,541.68	392.50	2.9%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	120,128.89	9,610.31	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	646.16	51.69	0.3%	646.16	51.69	0.3%
8:30 AM	92,699.69	19,466.93	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,504.11	1785.86	3.8%	8,504.11	1785.86	3.8%
8:45 AM	84,600.61	21,150.15	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,543.17	1385.79	2.5%	5,543.17	1385.79	2.5%
9:00 AM	69,577.95	17,394.49	31.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,302.11	825.53	1.5%	3,302.11	825.53	1.5%
9:15 AM	55,004.94	13,751.24	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	46,788.17	11,697.04	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	39,075.83	9,768.96	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	32,005.45	8,001.36	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	26,556.60	6,639.15	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	22,899.81	5,724.95	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	20,856.42	5,214.11	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	21,351.62	5,337.91	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	27,105.10	6,776.27	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	28,539.35	7,134.84	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	27,280.41	6,820.10	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	25,752.45	6,438.11	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	25,551.29	6,387.82	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	25,216.69	6,304.17	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	24,604.90	6,151.23	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	22,241.37	5,560.34	10.0%	3,018.02	754.51	1.4%	3,018.02	754.51	1.4%	0.00	0.00	0.0%	3,018.02	754.51	1.4%	3,018.02	754.51	1.4%
1:15 PM	23,996.01	5,999.00	10.8%	9,929.16	2482.29	4.5%	9,929.16	2482.29	4.5%	0.00	0.00	0.0%	9,929.16	2482.29	4.5%	9,929.16	2482.29	4.5%
1:30 PM	27,517.86	6,879.47	12.3%	10,464.12	2616.03	4.7%	10,464.12	2616.03	4.7%	0.00	0.00	0.0%	10,464.12	2616.03	4.7%	10,464.12	2616.03	4.7%
1:45 PM	33,814.56	8,453.64	15.2%	11,227.36	2806.84	5.0%	11,227.36	2806.84	5.0%	0.00	0.00	0.0%	11,227.36	2806.84	5.0%	11,227.36	2806.84	5.0%
2:00 PM	39,242.53	9,810.63	17.6%	10,432.70	2608.17	4.7%	10,432.70	2608.17	4.7%	0.00	0.00	0.0%	10,432.70	2608.17	4.7%	10,432.70	2608.17	4.7%
2:15 PM	48,319.97	12,079.99	21.7%	3,691.20	922.80	1.7%	3,691.20	922.80	1.7%	0.00	0.00	0.0%	3,691.20	922.80	1.7%	3,691.20	922.80	1.7%
2:30 PM	55,829.09	13,957.27	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	53,479.70	13,369.92	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	56,193.78	14,048.44	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	72,437.82	18,109.45	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	94,357.08	23,589.27	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	937.90	234.48	0.4%	937.90	234.48	0.4%
3:45 PM	127,654.83	26,807.51	57.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,194.55	1090.86	2.3%	5,194.55	1090.86	2.3%
3:54 PM	154,052.10	12,324.17	69.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,998.24	559.86	3.1%	6,998.24	559.86	3.1%

EXHIBIT F9: 11TH & NATOMA PARK SITE DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	17,842.99	1,962.73	91.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	16,216.07	3,729.70	82.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	14,494.74	3,623.68	74.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	12,675.78	3,168.94	64.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	10,037.88	2,509.47	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	7,791.89	1,947.97	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,476.50	1,619.13	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,675.34	1,418.84	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,969.62	1,242.40	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,305.65	1,076.41	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,691.31	922.83	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,119.14	779.78	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,580.63	645.16	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,089.33	522.33	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,658.58	414.64	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,362.00	340.50	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,087.31	271.83	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	850.78	212.70	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	622.16	155.54	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	447.80	111.95	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	271.80	67.95	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	122.01	30.50	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	6.57	1.64	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	30.01	7.50	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	58.67	14.67	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	81.01	20.25	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	108.55	27.14	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	131.52	32.88	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	158.51	39.63	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	179.60	44.90	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	238.65	59.66	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	373.56	93.39	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	501.41	125.35	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	645.33	161.33	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	788.65	197.16	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	947.18	236.80	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,236.86	309.22	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,667.49	416.87	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,094.71	523.68	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,562.41	640.60	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,059.35	764.84	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,652.14	913.03	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,431.56	1,107.89	22.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,311.76	1,577.94	32.3%	741.57	185.39	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	741.57	185.39	3.8%	741.57	185.39	3.8%
5:45 PM	6,908.85	1,727.21	35.3%	10,227.94	2556.99	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,227.94	2556.99	52.3%	10,227.94	2556.99	52.3%
6:00 PM	8,268.47	2,067.12	42.2%	7,507.55	1876.89	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,507.55	1876.89	38.4%	7,507.55	1876.89	38.4%
6:15 PM	9,953.47	2,488.37	50.9%	3,103.55	775.89	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,103.55	775.89	15.9%	6,273.12	1568.28	32.1%
6:30 PM	11,443.37	2,860.84	58.5%	612.74	153.18	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	612.74	153.18	3.1%	7,922.58	1980.64	40.5%
6:45 PM	12,800.49	3,200.12	65.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,032.88	1508.22	30.8%
7:00 PM	14,652.26	3,663.06	74.9%	4,255.54	1063.89	21.7%	0.00	0.00	0.0%	4,255.54	1063.89	21.7%	4,255.54	1063.89	21.7%	4,803.30	1200.82	24.5%
7:15 PM	17,113.27	5,133.98	87.4%	2,342.28	702.69	12.0%	0.00	0.00	0.0%	2,342.23	702.67	12.0%	2,342.28	702.69	12.0%	2,342.28	702.69	12.0%
7:36 PM	19,455.51	3,501.99	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	17,827.67	1,782.77	91.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	16,464.05	3,622.09	84.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	14,708.19	3,677.05	75.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	12,974.40	3,243.60	66.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	10,374.55	2,593.64	53.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,019.36	2,004.84	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,589.73	1,647.43	33.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,770.77	1,442.69	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,056.26	1,264.06	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,385.12	1,096.28	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,765.42	941.35	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,186.05	796.51	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,641.20	660.30	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,144.24	536.06	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,689.09	422.27	8.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,386.24	346.56	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,108.10	277.02	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	868.58	217.15	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	637.51	159.38	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	459.37	114.84	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	282.89	70.72	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	132.45	33.11	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4.82	1.20	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	28.39	7.10	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	57.10	14.28	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	79.53	19.88	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	107.08	26.77	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	130.12	32.53	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	157.15	39.29	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	179.10	44.77	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	223.99	56.00	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	358.81	89.70	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	486.13	121.53	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	629.70	157.43	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	772.36	193.09	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	930.31	232.58	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,187.33	296.83	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,622.10	405.53	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,047.16	511.79	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,511.80	627.95	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,004.41	751.10	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,576.50	894.13	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,336.44	1,084.11	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,311.07	1,577.77	32.2%	359.21	89.80	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	359.21	89.80	1.8%	359.21	89.80	1.8%
5:45 PM	6,881.69	1,720.42	35.2%	9,963.54	2490.89	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,963.54	2490.89	50.9%	9,963.54	2490.89	50.9%
6:00 PM	8,091.34	2,022.84	41.3%	8,195.46	2048.86	41.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,195.46	2048.86	41.9%	8,195.46	2048.86	41.9%
6:15 PM	9,749.85	2,437.46	49.8%	3,851.99	963.00	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,851.99	963.00	19.7%	6,317.85	1579.46	32.3%
6:30 PM	11,289.24	2,822.31	57.7%	945.39	236.35	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	945.39	236.35	4.8%	8,045.73	2011.43	41.1%
6:45 PM	12,477.49	3,119.37	63.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,564.60	1641.15	33.5%
7:00 PM	14,394.00	3,598.50	73.5%	3,538.92	884.73	18.1%	0.00	0.00	0.0%	3,538.90	884.73	18.1%	3,538.92	884.73	18.1%	5,058.11	1264.53	25.8%
7:15 PM	16,777.29	5,033.19	85.7%	2,678.20	803.46	13.7%	0.00	0.00	0.0%	2,678.20	803.46	13.7%	2,678.20	803.46	13.7%	2,678.20	803.46	13.7%
7:36 PM	19,455.52	3,501.99	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	17,780.19	1,066.81	90.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	16,818.10	3,195.44	85.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	15,001.51	3,750.38	76.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	13,376.19	3,344.05	68.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	10,845.60	2,711.40	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,327.48	2,081.87	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,750.52	1,687.63	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,905.81	1,476.45	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,175.21	1,293.80	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,492.92	1,123.23	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,860.94	965.24	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,271.80	817.95	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,717.03	679.26	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,210.93	552.73	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,742.51	435.63	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,398.49	349.62	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,115.63	278.91	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	872.35	218.09	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	638.06	159.51	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	457.90	114.47	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	280.84	70.21	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	129.40	32.35	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5.31	1.33	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	29.08	7.27	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	57.86	14.47	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	80.53	20.13	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	108.26	27.07	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	131.42	32.86	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	158.56	39.64	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	181.90	45.48	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	206.26	51.57	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	341.39	85.35	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	468.81	117.20	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	612.58	153.15	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	755.36	188.84	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	913.38	228.34	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,131.03	282.76	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,574.47	393.62	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,997.60	499.40	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,460.77	615.19	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,951.49	737.87	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,505.83	876.46	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,248.46	1,062.11	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,688.74	1,672.19	34.2%	168.23	42.06	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	168.23	42.06	0.9%	168.23	42.06	0.9%
5:45 PM	7,048.17	1,762.04	36.0%	9,910.64	2477.66	50.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,910.64	2477.66	50.6%	9,910.64	2477.66	50.6%
6:00 PM	7,898.13	1,974.53	40.4%	9,478.17	2369.54	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,478.17	2369.54	48.4%	9,478.17	2369.54	48.4%
6:15 PM	9,509.85	2,377.46	48.6%	5,222.65	1305.66	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,222.65	1305.66	26.7%	7,152.78	1788.20	36.5%
6:30 PM	11,065.31	2,766.33	56.5%	1,727.97	431.99	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,727.97	431.99	8.8%	8,370.36	2092.59	42.8%
6:45 PM	12,210.37	3,052.59	62.4%	35.28	8.82	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	35.28	8.82	0.2%	7,245.18	1811.30	37.0%
7:00 PM	13,947.90	3,486.97	71.3%	2,981.73	745.43	15.2%	0.00	0.00	0.0%	2,981.78	745.44	15.2%	2,981.73	745.43	15.2%	5,440.86	1360.22	27.8%
7:15 PM	16,215.60	4,864.68	82.9%	3,239.89	971.97	16.6%	0.00	0.00	0.0%	3,239.94	971.98	16.6%	3,239.89	971.97	16.6%	3,239.89	971.97	16.6%
7:36 PM	19,455.53	3,501.99	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	17,706.85	531.21	90.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	17,281.60	2,592.24	88.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	15,372.34	3,843.09	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	13,855.69	3,463.92	70.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	11,414.36	2,853.59	58.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,765.88	2,191.47	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,952.93	1,738.23	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,081.37	1,520.34	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,328.33	1,332.08	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,629.31	1,157.33	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,980.41	995.10	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,376.40	844.10	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,807.71	701.93	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,289.41	572.35	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,811.01	452.75	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,397.78	349.45	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,109.19	277.30	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	861.42	215.36	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	623.13	155.78	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	443.07	110.77	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	265.28	66.32	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	112.80	28.20	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	8.15	2.04	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	32.20	8.05	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	61.00	15.25	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	84.02	21.01	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	111.92	27.98	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	135.40	33.85	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	162.79	40.70	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	187.37	46.84	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	209.67	52.42	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	321.83	80.46	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	449.72	112.43	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	594.46	148.61	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	737.73	184.43	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	896.79	224.20	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,068.17	267.04	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,524.47	381.12	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,948.33	487.08	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,412.64	603.16	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,903.17	725.79	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,444.47	861.12	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,930.01	1,232.50	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,626.60	1,906.65	39.0%	66.53	16.63	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	66.53	16.63	0.3%	66.53	16.63	0.3%
5:45 PM	7,558.47	1,889.62	38.6%	10,058.08	2514.52	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,058.08	2514.52	51.4%	10,058.08	2514.52	51.4%
6:00 PM	7,824.81	1,956.20	40.0%	11,015.29	2753.82	56.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,015.29	2753.82	56.3%	11,015.29	2753.82	56.3%
6:15 PM	9,232.89	2,308.22	47.2%	6,869.83	1717.46	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,869.83	1717.46	35.1%	8,478.38	2119.60	43.3%
6:30 PM	10,774.44	2,693.61	55.1%	3,227.15	806.79	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,227.15	806.79	16.5%	8,681.10	2170.28	44.4%
6:45 PM	11,960.21	2,990.05	61.1%	457.28	114.32	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	457.28	114.32	2.3%	7,495.34	1873.84	38.3%
7:00 PM	13,322.83	3,330.71	68.1%	2,438.22	609.56	12.5%	0.00	0.00	0.0%	2,437.96	609.49	12.5%	2,438.22	609.56	12.5%	6,047.81	1511.95	30.9%
7:15 PM	15,673.40	4,388.55	80.1%	3,782.13	1059.00	19.3%	0.00	0.00	0.0%	3,782.10	1058.99	19.3%	3,782.13	1059.00	19.3%	3,782.13	1059.00	19.3%
7:33 PM	19,455.51	2,918.33	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	17,612.75	2,289.66	90.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	15,645.01	3,754.80	79.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	14,190.65	3,405.76	72.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	12,032.86	3,008.22	61.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	9,289.85	2,322.46	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,215.56	1,803.89	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,288.85	1,572.21	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,508.24	1,377.06	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,787.72	1,196.93	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,116.59	1,029.15	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,493.42	873.36	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,906.88	726.72	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,373.51	593.38	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,882.99	470.75	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,429.40	357.35	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,084.49	271.12	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	832.05	208.01	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	589.25	147.31	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	413.03	103.26	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	234.42	58.60	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	80.81	20.20	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	13.59	3.40	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	37.96	9.49	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	66.87	16.72	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	90.36	22.59	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	118.46	29.61	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	142.37	35.59	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	170.09	42.52	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	195.17	48.79	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	219.91	54.98	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	301.87	75.47	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	431.19	107.80	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	577.27	144.32	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	721.83	180.46	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	882.63	220.66	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,047.74	261.94	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,477.44	369.36	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,905.33	476.33	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,369.88	592.47	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,862.96	715.74	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,406.11	851.53	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,153.88	1,538.47	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	9,342.15	2,335.54	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	8,593.74	2,148.43	43.9%	9,492.59	2373.15	48.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,492.59	2373.15	48.5%	9,492.59	2373.15	48.5%
6:00 PM	8,108.65	2,027.16	41.4%	11,346.35	2836.59	58.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,346.35	2836.59	58.0%	11,346.35	2836.59	58.0%
6:15 PM	8,927.33	2,231.83	45.6%	8,991.16	2247.79	45.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,991.16	2247.79	45.9%	9,945.41	2486.35	50.8%
6:30 PM	10,437.80	2,609.45	53.3%	5,546.69	1386.67	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,546.69	1386.67	28.3%	9,017.73	2254.43	46.1%
6:45 PM	11,666.81	2,916.70	59.6%	1,625.47	406.37	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,625.47	406.37	8.3%	7,788.72	1947.18	39.8%
7:00 PM	12,748.73	3,187.18	65.1%	1,476.14	369.03	7.5%	0.00	0.00	0.0%	1,461.19	365.30	7.5%	1,476.14	369.03	7.5%	6,706.76	1676.69	34.3%
7:15 PM	16,222.41	4,055.60	82.9%	3,233.10	808.27	16.5%	0.00	0.00	0.0%	3,233.13	808.28	16.5%	3,233.10	808.27	16.5%	3,233.10	808.27	16.5%
7:30 PM	19,455.55	2,529.22	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	17,497.23	1,049.83	89.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	16,360.97	3,108.58	83.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	14,543.53	3,635.88	74.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	12,609.93	3,152.48	64.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	9,864.41	2,466.10	50.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,582.58	1,895.65	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,519.61	1,629.90	33.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,722.06	1,430.51	29.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,973.51	1,243.38	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,275.70	1,068.93	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,628.16	907.04	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,019.37	754.84	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,467.60	616.90	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,962.51	490.63	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,496.54	374.14	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,057.72	264.43	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	785.31	196.33	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	537.71	134.43	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	369.19	92.30	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	189.74	47.44	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	35.66	8.91	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	21.35	5.34	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	46.13	11.53	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	75.17	18.79	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	99.17	24.79	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	127.58	31.89	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	152.00	38.00	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	180.23	45.06	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	205.91	51.48	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	233.76	58.44	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	280.81	70.20	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	411.91	102.98	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	560.10	140.02	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	706.69	176.67	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	869.97	217.49	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,037.65	259.41	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,431.47	357.87	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,867.09	466.77	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,334.77	583.69	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,829.58	707.39	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,806.31	951.58	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,796.99	1,949.25	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	11,815.92	2,953.98	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	10,405.99	2,601.50	53.2%	6,532.95	1633.24	33.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,532.95	1633.24	33.4%	6,532.95	1633.24	33.4%
6:00 PM	8,918.01	2,229.50	45.6%	10,494.10	2623.53	53.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,494.10	2623.53	53.6%	10,513.42	2628.36	53.7%
6:15 PM	8,872.16	2,218.04	45.3%	10,557.36	2639.34	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,557.36	2639.34	53.9%	10,583.38	2645.85	54.1%
6:30 PM	10,054.54	2,513.64	51.4%	7,706.02	1926.51	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,706.02	1926.51	39.4%	9,401.01	2350.25	48.0%
6:45 PM	11,332.19	2,833.05	57.9%	3,895.08	973.77	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,895.08	973.77	19.9%	8,123.31	2030.83	41.5%
7:00 PM	12,973.45	3,243.36	66.3%	687.27	171.82	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	687.27	171.82	3.5%	6,482.04	1620.51	33.1%
7:15 PM	17,370.78	3,647.86	88.8%	1,379.83	289.76	7.1%	0.00	0.00	0.0%	1,379.81	289.76	7.1%	1,379.83	289.76	7.1%	2,084.73	437.79	10.7%
7:25 PM	19,455.51	1,751.00	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	17,317.75	346.36	88.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	16,942.80	2,541.42	86.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	14,916.92	3,729.23	76.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,031.38	3,257.85	66.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	10,463.20	2,615.80	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,996.58	1,999.15	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,787.41	1,696.85	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,969.53	1,492.38	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,177.84	1,294.46	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,447.76	1,111.94	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,770.51	942.63	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,135.82	783.95	16.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,563.44	640.86	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,041.67	510.42	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,561.63	390.41	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,110.53	277.63	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	715.99	179.00	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	477.15	119.29	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	309.43	77.36	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	129.22	32.31	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2.01	0.50	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	31.88	7.97	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	57.09	14.27	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	86.22	21.55	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	110.92	27.73	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	139.63	34.91	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	164.83	41.21	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	193.58	48.39	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	220.03	55.01	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	249.80	62.45	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	269.49	67.37	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	394.87	98.72	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	545.79	136.45	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	695.28	173.82	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	861.90	215.48	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,033.43	258.36	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,394.79	348.70	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,840.54	460.14	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,313.76	578.44	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,814.20	703.55	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,397.05	1,099.26	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	10,150.41	2,537.60	51.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	14,651.72	3,662.93	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	13,083.26	3,270.82	66.9%	3,215.99	804.00	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,215.99	804.00	16.4%	3,215.99	804.00	16.4%
6:00 PM	10,449.37	2,612.34	53.4%	7,661.06	1915.27	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,661.06	1915.27	39.1%	8,714.69	2178.67	44.5%
6:15 PM	9,417.46	2,354.36	48.1%	10,038.06	2509.51	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,038.06	2509.51	51.3%	10,038.06	2509.51	51.3%
6:30 PM	9,757.01	2,439.25	49.9%	9,664.99	2416.25	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,664.99	2416.25	49.4%	9,698.50	2424.62	49.6%
6:45 PM	10,995.33	2,748.83	56.2%	6,406.56	1601.64	32.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,406.56	1601.64	32.7%	8,460.20	2115.05	43.2%
7:00 PM	14,781.55	3,695.39	75.5%	1,432.58	358.14	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,432.58	358.14	7.3%	4,673.98	1168.49	23.9%
7:15 PM	18,894.40	2,834.16	96.5%	20.26	3.04	0.1%	0.00	0.00	0.0%	20.28	3.04	0.1%	20.26	3.04	0.1%	561.13	84.17	2.9%
7:18 PM	19,455.53	583.67	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	17,052.53	1,534.73	87.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	15,365.53	3,226.76	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,368.47	3,342.12	68.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,065.61	2,766.40	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	8,527.40	2,131.85	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,085.65	1,771.41	36.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,270.53	1,567.63	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,426.30	1,356.57	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,639.78	1,159.94	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,926.02	981.51	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,261.76	815.44	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,665.48	666.37	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,125.15	531.29	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,629.09	407.27	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,164.60	291.15	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	728.35	182.09	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	404.09	101.02	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	235.90	58.97	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	55.51	13.88	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	14.73	3.68	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	44.74	11.18	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	70.44	17.61	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	99.90	24.97	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	125.26	31.31	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	154.38	38.60	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	180.36	45.09	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	209.83	52.46	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	237.25	59.31	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	267.88	66.97	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	291.99	73.00	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	378.97	94.74	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	533.21	133.30	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	686.38	171.60	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	857.38	214.35	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,033.51	258.38	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,363.81	340.95	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,823.25	455.81	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,303.74	575.93	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,809.88	702.47	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,265.35	1,316.34	26.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	13,468.60	3,367.15	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	18,052.67	4,513.17	92.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	15,736.75	3,934.19	80.4%	362.28	90.57	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	362.28	90.57	1.9%	362.28	90.57	1.9%
6:00 PM	12,916.56	3,229.14	66.0%	3,808.90	952.23	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,808.90	952.23	19.5%	6,519.93	1629.98	33.3%
6:15 PM	10,732.74	2,683.19	54.8%	7,915.95	1978.99	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,915.95	1978.99	40.4%	8,722.77	2180.69	44.6%
6:30 PM	10,072.71	2,518.18	51.5%	9,382.82	2345.70	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,382.82	2345.70	47.9%	9,382.82	2345.70	47.9%
6:45 PM	10,965.17	3,728.16	56.0%	8,221.44	2795.29	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,221.44	2795.29	42.0%	8,490.39	2886.73	43.4%
7:10 PM	19,454.87	4,085.52	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	16,692.99	667.72	85.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	15,854.90	2,695.33	81.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,623.63	3,405.91	69.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,580.21	2,895.05	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	9,148.42	2,287.10	46.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,516.27	1,879.07	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,615.59	1,653.90	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,757.25	1,439.31	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,871.22	1,217.81	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,100.31	1,025.08	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,401.51	850.38	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,778.44	694.61	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,216.72	554.18	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,702.17	425.54	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,222.85	305.71	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	773.16	193.29	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	407.97	101.99	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	150.84	37.71	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2.20	0.55	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	29.49	7.37	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	59.73	14.93	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	86.00	21.50	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	115.74	28.93	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	141.83	35.46	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	171.52	42.88	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	198.39	49.60	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	228.67	57.17	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	257.15	64.29	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	288.93	72.23	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	318.47	79.62	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	363.51	90.88	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	521.61	130.40	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	679.23	169.81	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	855.24	213.81	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,037.15	259.29	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,333.00	333.25	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,814.92	453.73	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,302.01	575.50	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,809.15	702.29	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,540.27	1,635.07	33.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	17,162.21	4,290.55	87.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	19,436.85	4,859.21	99.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	18,140.67	4,535.17	92.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	171.97	42.99	0.9%
6:00 PM	15,668.12	3,917.03	80.1%	533.05	133.26	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	533.05	133.26	2.7%	3,787.43	946.86	19.4%
6:15 PM	13,076.27	3,269.07	66.8%	4,032.92	1008.23	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,032.92	1008.23	20.6%	6,379.24	1594.81	32.6%
6:30 PM	11,120.97	2,780.24	56.8%	8,334.53	2083.63	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,334.53	2083.63	42.6%	8,334.53	2083.63	42.6%
6:45 PM	12,311.58	3,324.13	62.9%	7,143.93	1928.86	36.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,143.93	1928.86	36.5%	7,143.93	1928.86	36.5%
7:02 PM	19,082.71	2,671.58	97.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	372.79	52.19	1.9%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	16,129.08	1,774.20	82.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,890.09	3,194.72	71.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,962.74	2,990.69	61.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	9,688.34	2,422.09	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,011.61	2,002.90	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	7,084.69	1,771.17	36.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,117.09	1,529.27	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,171.01	1,292.75	26.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,281.88	1,070.47	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,541.17	885.29	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,889.18	722.30	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,304.92	576.23	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,770.73	442.68	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,275.55	318.89	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	845.19	211.30	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	478.04	119.51	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	105.56	26.39	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	19.16	4.79	0.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	46.73	11.68	0.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	77.26	19.31	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	104.10	26.02	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	134.27	33.57	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	161.17	40.29	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	191.56	47.89	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	219.49	54.87	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	250.72	62.68	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	280.42	70.10	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	313.59	78.40	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	346.04	86.51	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	372.22	93.06	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	514.57	128.64	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	677.67	169.42	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	859.85	214.96	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,049.01	262.25	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,306.11	326.53	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,824.22	456.06	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,311.79	577.95	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,796.55	699.14	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,912.01	1,978.00	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	16,446.99	4,111.75	84.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	18,894.94	4,723.73	96.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	19,410.90	4,852.73	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	44.63	11.16	0.2%
6:00 PM	18,110.99	4,527.75	92.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,344.57	336.14	6.9%
6:15 PM	15,767.58	3,941.90	80.6%	1,275.97	318.99	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,275.97	318.99	6.5%	3,687.91	921.98	18.8%
6:30 PM	13,249.86	3,312.47	67.7%	6,205.64	1551.41	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,205.64	1551.41	31.7%	6,205.64	1551.41	31.7%
6:45 PM	17,782.72	3,378.72	90.9%	1,672.79	317.83	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,672.79	317.83	8.5%	1,672.79	317.83	8.5%
6:52 PM	19,455.54	1,167.33	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	15,864.09	951.85	81.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	15,049.41	2,859.39	76.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,238.58	3,059.64	62.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,227.40	2,556.85	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,589.75	2,147.44	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	7,658.04	1,914.51	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,612.60	1,653.15	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,509.99	1,377.50	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,545.96	1,136.49	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,697.50	924.38	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,011.82	752.95	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,402.27	600.57	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,846.61	461.65	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,333.75	333.44	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	940.42	235.10	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	564.47	141.12	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	242.81	60.70	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	68.57	17.14	0.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	65.66	16.41	0.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	96.49	24.12	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	124.04	31.01	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	154.69	38.67	0.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	182.53	45.63	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	213.71	53.43	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	242.77	60.69	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	275.13	68.78	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	306.32	76.58	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	341.12	85.28	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	375.49	93.87	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	408.99	102.25	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	508.67	127.17	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	678.17	169.54	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	867.38	216.85	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,065.06	266.26	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,298.10	324.53	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,797.38	449.35	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,300.73	575.18	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,754.08	688.52	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,801.85	1,700.46	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	13,246.06	3,311.51	67.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	17,266.53	4,316.63	88.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	19,138.03	4,784.51	97.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	19,455.50	4,863.88	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	18,000.51	4,500.13	92.0%	1,448.98	362.24	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,448.98	362.24	7.4%	1,455.01	363.75	7.4%
6:30 PM	16,263.20	3,740.54	83.1%	3,192.29	734.23	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,192.29	734.23	16.3%	3,192.29	734.23	16.3%
6:42 PM	19,455.51	2,140.11	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	15,901.01	2,067.13	81.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	13,255.06	3,313.77	67.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,752.65	2,688.16	54.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,183.43	2,295.86	46.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,345.79	2,086.45	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,232.49	1,808.12	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,954.73	1,488.68	30.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,840.47	1,210.12	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,931.91	982.98	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,148.01	787.00	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,509.71	627.43	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,930.19	482.55	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,449.01	362.25	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,056.72	264.18	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	674.46	168.61	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	465.85	116.46	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	276.11	69.03	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	88.13	22.03	0.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	117.32	29.33	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	145.54	36.39	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	176.90	44.22	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	205.74	51.44	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	237.84	59.46	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	268.17	67.04	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	301.91	75.48	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	334.73	83.68	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	371.43	92.86	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	408.02	102.01	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	449.25	112.31	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	503.99	126.00	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	680.62	170.15	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	878.03	219.51	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,085.42	271.36	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,318.64	329.66	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,744.51	436.13	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,271.02	567.76	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,813.84	703.46	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,937.52	1,234.38	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	9,090.60	2,272.65	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	14,494.76	3,623.69	74.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	17,810.08	4,452.52	91.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	19,323.50	4,830.88	98.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	19,316.97	5,215.58	98.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	138.58	37.42	0.7%
6:31 PM	19,455.56	2,723.78	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	17,168.55	1,373.48	87.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	15,342.20	3,221.86	78.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,236.65	2,809.16	57.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,780.68	2,445.17	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,988.13	2,247.03	45.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,991.38	1,997.84	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,496.55	1,624.14	33.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,207.47	1,301.87	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,194.76	1,048.69	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,348.88	837.22	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,627.81	656.95	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,021.44	505.36	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,604.35	401.09	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,197.48	299.37	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	936.49	234.12	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	702.31	175.58	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	500.55	125.14	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	283.44	70.86	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	139.45	34.86	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	168.48	42.12	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	200.63	50.16	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	230.51	57.63	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	263.78	65.94	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	295.49	73.87	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	330.86	82.72	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	365.57	91.39	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	404.41	101.10	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	443.64	110.91	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	487.90	121.98	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	519.44	129.86	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	685.26	171.31	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	891.89	222.97	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,110.52	277.63	5.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,357.72	339.43	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,702.57	425.64	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,274.13	568.53	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,787.19	696.80	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,624.56	906.14	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,923.77	1,480.94	30.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	10,615.26	2,653.81	54.2%	2,804.97	701.24	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,804.97	701.24	14.3%	2,804.97	701.24	14.3%
5:45 PM	15,409.44	3,852.36	78.7%	697.78	174.44	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	697.78	174.44	3.6%	697.78	174.44	3.6%
6:00 PM	18,312.74	4,578.18	93.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	19,450.22	3,501.04	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	19,455.51	972.78	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	15,573.88	311.48	79.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	14,967.03	2,245.05	76.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	12,306.40	3,076.60	62.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,407.30	2,601.82	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,671.63	2,417.91	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,598.28	2,149.57	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,150.45	1,787.61	36.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,671.97	1,417.99	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,511.35	1,127.84	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,584.99	896.25	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,804.90	701.22	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,204.60	551.15	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,791.97	447.99	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,430.88	357.72	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,207.23	301.81	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	958.15	239.54	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	744.86	186.22	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	513.69	128.42	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	314.56	78.64	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	192.56	48.14	1.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	225.55	56.39	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	256.82	64.20	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	291.17	72.79	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	324.56	81.14	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	361.66	90.41	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	398.59	99.65	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	439.91	109.98	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	482.02	120.51	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	529.87	132.47	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	573.98	143.49	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	691.33	172.83	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	908.25	227.06	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,139.80	284.95	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,402.51	350.63	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,708.50	427.13	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,342.73	585.68	12.0%	131.97	32.99	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	131.97	32.99	0.7%	131.97	32.99	0.7%
4:45 PM	2,874.18	718.55	14.7%	406.23	101.56	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	406.23	101.56	2.1%	406.23	101.56	2.1%
5:00 PM	3,418.62	854.65	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,340.03	1,085.01	22.2%	5,130.29	1282.57	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,130.29	1282.57	26.2%	5,130.29	1282.57	26.2%
5:30 PM	7,015.46	1,753.86	35.8%	9,474.26	2368.56	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,474.26	2368.56	48.4%	9,474.26	2368.56	48.4%
5:45 PM	11,896.97	2,974.24	60.8%	3,246.30	811.57	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,246.30	811.57	16.6%	3,246.30	811.57	16.6%
6:00 PM	16,396.85	3,443.34	83.8%	170.99	35.91	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	170.99	35.91	0.9%	170.99	35.91	0.9%
6:09 PM	18,199.55	1,455.96	93.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	15,708.28	1,570.83	80.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,432.74	2,955.20	68.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	11,159.77	2,789.94	57.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	10,403.00	2,600.75	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,214.48	2,303.62	47.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,730.63	1,932.66	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,225.17	1,556.29	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,922.60	1,230.65	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,854.33	963.58	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,019.27	754.82	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,484.25	621.06	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,023.91	505.98	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,758.22	439.56	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,498.03	374.51	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,234.63	308.66	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,008.26	252.06	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	763.31	190.83	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	551.69	137.92	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	322.16	80.54	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	252.35	63.09	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	285.63	71.41	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	320.77	80.19	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	355.06	88.76	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	394.15	98.54	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	433.50	108.38	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	477.71	119.43	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	523.22	130.80	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	575.03	143.76	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	629.88	157.47	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	698.42	174.60	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	927.18	231.80	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,173.05	293.26	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,453.07	363.27	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	1,768.00	442.00	9.0%	1,151.25	287.81	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,151.25	287.81	5.9%	1,151.25	287.81	5.9%
4:30 PM	2,345.53	586.38	12.0%	2,704.31	676.08	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,704.31	676.08	13.8%	2,704.31	676.08	13.8%
4:45 PM	2,947.51	736.88	15.1%	1,548.17	387.04	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,548.17	387.04	7.9%	1,548.17	387.04	7.9%
5:00 PM	3,527.05	881.76	18.0%	1,450.30	362.57	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,450.30	362.57	7.4%	1,450.30	362.57	7.4%
5:15 PM	4,138.18	1,034.55	21.1%	14,400.59	3600.15	73.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,400.59	3600.15	73.6%	14,400.59	3600.15	73.6%
5:30 PM	5,285.83	1,321.46	27.0%	13,443.13	3360.78	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,443.13	3360.78	68.7%	13,443.13	3360.78	68.7%
5:45 PM	8,217.47	1,890.02	42.0%	7,446.85	1712.77	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,446.85	1712.77	38.1%	7,446.85	1712.77	38.1%
5:58 PM	13,318.36	1,465.02	68.1%	2,057.50	226.33	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,057.50	226.33	10.5%	2,057.50	226.33	10.5%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	14,762.22	590.49	75.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,661.22	2,322.41	69.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,083.75	3,020.94	61.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	11,248.22	2,812.06	57.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,892.41	2,473.10	50.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,312.00	2,078.00	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,820.07	1,705.02	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,419.54	1,354.89	27.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,226.81	1,056.70	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,411.74	852.94	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,846.90	711.72	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,456.78	614.19	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,093.33	523.33	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,817.34	454.34	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,533.99	383.50	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,293.10	323.28	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,035.97	258.99	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	812.43	203.11	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	568.16	142.04	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	369.20	92.30	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	307.92	76.98	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	347.31	86.83	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	386.14	96.53	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	427.55	106.89	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	469.44	117.36	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	516.81	129.20	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	566.00	141.50	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	622.42	155.60	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	682.73	170.68	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	736.34	184.09	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	944.38	236.09	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,205.42	301.36	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,505.31	376.33	7.7%	1,623.47	405.87	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,623.47	405.87	8.3%	1,623.47	405.87	8.3%
4:15 PM	1,846.22	461.56	9.4%	5,744.96	1436.24	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,744.96	1436.24	29.4%	5,744.96	1436.24	29.4%
4:30 PM	2,335.28	583.82	11.9%	6,368.86	1592.22	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,368.86	1592.22	32.5%	6,368.86	1592.22	32.5%
4:45 PM	3,047.47	761.87	15.6%	3,533.98	883.49	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,533.98	883.49	18.1%	3,533.98	883.49	18.1%
5:00 PM	3,616.44	904.11	18.5%	5,595.83	1398.96	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,595.83	1398.96	28.6%	5,595.83	1398.96	28.6%
5:15 PM	4,228.96	1,057.24	21.6%	11,260.00	2815.00	57.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,260.00	2815.00	57.5%	11,260.00	2815.00	57.5%
5:30 PM	5,199.70	1,403.92	26.6%	14,097.42	3806.30	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,097.42	3806.30	72.0%	14,097.42	3806.30	72.0%
5:47 PM	7,928.37	1,109.97	40.5%	10,269.72	1437.76	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,269.72	1437.76	52.5%	10,269.72	1437.76	52.5%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	14,824.27	1,778.91	75.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	13,116.84	3,148.04	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	12,096.45	3,024.11	61.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	10,676.06	2,669.01	54.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,011.27	2,252.82	46.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,423.78	1,855.94	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,998.17	1,499.54	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,668.63	1,167.16	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,938.67	984.67	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,323.86	830.97	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,907.92	726.98	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,482.62	620.65	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,164.17	541.04	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,857.78	464.45	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,600.28	400.07	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,328.90	332.22	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,095.99	274.00	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	838.16	209.54	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	615.72	153.93	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	373.38	93.34	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	378.13	94.53	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	417.20	104.30	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	461.15	115.29	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	505.85	126.46	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	556.70	139.18	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	609.90	152.47	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	671.40	167.85	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	737.71	184.43	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	814.58	203.64	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	958.22	239.56	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,236.41	309.10	6.3%	1,241.92	310.48	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,241.92	310.48	6.3%	1,241.92	310.48	6.3%
4:00 PM	1,558.31	389.58	8.0%	5,329.84	1332.46	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,329.84	1332.46	27.2%	5,329.84	1332.46	27.2%
4:15 PM	1,929.03	482.26	9.9%	11,599.30	2899.82	59.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,599.30	2899.82	59.3%	11,599.30	2899.82	59.3%
4:30 PM	2,387.40	596.85	12.2%	10,204.54	2551.14	52.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,204.54	2551.14	52.1%	10,204.54	2551.14	52.1%
4:45 PM	2,969.33	742.33	15.2%	8,741.27	2185.32	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,741.27	2185.32	44.7%	8,741.27	2185.32	44.7%
5:00 PM	3,650.24	912.56	18.7%	6,304.56	1576.14	32.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,304.56	1576.14	32.2%	6,304.56	1576.14	32.2%
5:15 PM	4,465.34	1,116.34	22.8%	7,461.83	1865.46	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,461.83	1865.46	38.1%	7,461.83	1865.46	38.1%
5:30 PM	6,069.88	1,153.28	31.0%	11,926.60	2266.05	60.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,926.60	2266.05	60.9%	11,926.60	2266.05	60.9%
5:37 PM	7,753.40	465.20	39.6%	11,639.97	698.40	59.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,639.97	698.40	59.5%	11,639.97	698.40	59.5%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	15,229.82	913.79	77.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	14,242.58	2,563.66	72.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	12,824.35	3,206.09	65.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	11,583.00	2,895.75	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,846.92	2,461.73	50.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,140.48	2,035.12	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,617.01	1,654.25	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,392.22	1,348.05	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,569.67	1,142.42	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,932.16	983.04	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,391.51	847.88	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,929.33	732.33	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,554.42	638.60	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,207.10	551.77	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,930.54	482.64	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,640.54	410.14	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,396.22	349.05	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,129.38	282.34	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	895.08	223.77	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	636.30	159.07	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	422.22	105.56	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	447.85	111.96	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	494.38	123.60	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	542.19	135.55	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	596.65	149.16	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	654.21	163.55	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	721.10	180.28	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	793.17	198.29	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	878.73	219.68	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	968.65	242.16	4.9%	170.29	42.57	0.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	170.29	42.57	0.9%	170.29	42.57	0.9%
3:45 PM	1,265.17	316.29	6.5%	2,871.94	717.98	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,871.94	717.98	14.7%	2,871.94	717.98	14.7%
4:00 PM	1,610.79	402.70	8.2%	9,442.90	2360.72	48.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,442.90	2360.72	48.3%	9,442.90	2360.72	48.3%
4:15 PM	2,014.78	503.69	10.3%	16,353.65	4088.41	83.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,353.65	4088.41	83.6%	16,353.65	4088.41	83.6%
4:30 PM	2,396.65	599.16	12.2%	14,248.72	3562.18	72.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,248.72	3562.18	72.8%	14,248.72	3562.18	72.8%
4:45 PM	2,877.47	719.37	14.7%	14,536.53	3634.13	74.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,536.53	3634.13	74.3%	14,536.53	3634.13	74.3%
5:00 PM	3,706.14	926.53	18.9%	8,954.94	2238.74	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,954.94	2238.74	45.8%	8,954.94	2238.74	45.8%
5:15 PM	4,944.64	1,087.82	25.3%	4,723.58	1039.19	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,723.58	1039.19	24.1%	4,723.58	1039.19	24.1%
5:27 PM	8,144.35	814.43	41.6%	6,034.17	603.42	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,034.17	603.42	30.8%	6,034.17	603.42	30.8%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	15,545.83	2,020.96	79.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	13,582.38	3,395.59	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,301.56	3,075.39	62.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,858.49	2,714.62	55.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,004.99	2,251.25	46.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	7,374.23	1,843.56	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,236.31	1,559.08	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,397.17	1,349.29	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,560.31	1,140.08	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,945.59	986.40	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,404.85	851.21	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,993.72	748.43	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,592.44	648.11	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,284.60	571.15	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,973.64	493.41	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,713.61	428.40	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,435.38	358.85	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,195.44	298.86	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	922.68	230.67	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	689.39	172.35	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	476.87	119.22	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	526.08	131.52	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	576.92	144.23	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	635.27	158.82	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	697.24	174.31	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	768.90	192.23	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	847.42	211.86	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	941.80	235.45	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,034.29	258.57	5.3%	130.40	32.60	0.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	130.40	32.60	0.7%	130.40	32.60	0.7%
2:45 PM	1,286.75	321.69	6.6%	5,126.06	1281.51	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,126.06	1281.51	26.2%	5,126.06	1281.51	26.2%
3:00 PM	1,657.33	414.33	8.5%	13,516.00	3379.00	69.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,516.00	3379.00	69.1%	13,516.00	3379.00	69.1%
3:15 PM	1,992.47	498.12	10.2%	17,280.80	4320.20	88.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,280.80	4320.20	88.3%	17,280.80	4320.20	88.3%
3:30 PM	2,363.19	590.80	12.1%	16,881.07	4220.27	86.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,881.07	4220.27	86.3%	16,881.07	4220.27	86.3%
3:45 PM	2,856.38	714.09	14.6%	16,227.64	4056.91	82.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,227.64	4056.91	82.9%	16,227.64	4056.91	82.9%
4:00 PM	4,106.86	1,026.72	21.0%	11,791.03	2947.76	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,791.03	2947.76	60.2%	11,791.03	2947.76	60.2%
4:15 PM	7,643.59	1,146.54	39.1%	4,475.77	671.37	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,475.77	671.37	22.9%	4,475.77	671.37	22.9%
4:18 PM	8,724.24	261.73	44.6%	4,951.71	148.55	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,951.71	148.55	25.3%	4,951.71	148.55	25.3%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	15,673.91	1,097.17	80.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	14,439.41	2,743.49	73.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,913.13	3,228.28	66.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,893.22	2,973.30	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	10,030.88	2,507.72	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,386.73	2,096.68	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,186.60	1,796.65	36.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,235.29	1,558.82	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,280.78	1,320.19	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,545.00	1,136.25	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,926.12	981.53	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,455.58	863.89	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,017.54	754.39	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,666.40	666.60	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,326.94	581.73	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,049.69	512.42	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,753.91	438.48	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,506.44	376.61	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,228.06	307.02	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	983.22	245.81	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	712.67	178.17	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	555.08	138.77	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	609.07	152.27	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	671.01	167.75	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	736.63	184.16	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	813.56	203.39	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	898.69	224.67	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,001.94	250.49	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,121.07	280.27	5.7%	1,871.10	467.78	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,871.10	467.78	9.6%	1,871.10	467.78	9.6%
2:45 PM	1,298.60	324.65	6.6%	9,930.72	2482.68	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,930.72	2482.68	50.7%	9,930.72	2482.68	50.7%
3:00 PM	1,611.49	402.87	8.2%	16,391.90	4097.98	83.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,391.90	4097.98	83.8%	16,391.90	4097.98	83.8%
3:15 PM	1,924.65	481.16	9.8%	17,520.31	4380.08	89.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,520.31	4380.08	89.5%	17,520.31	4380.08	89.5%
3:30 PM	2,309.63	577.41	11.8%	17,145.92	4286.48	87.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,145.92	4286.48	87.6%	17,145.92	4286.48	87.6%
3:45 PM	3,207.45	801.86	16.4%	16,018.06	4004.51	81.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,018.06	4004.51	81.8%	16,018.06	4004.51	81.8%
4:00 PM	5,594.57	1,174.86	28.6%	13,043.51	2739.14	66.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,043.51	2739.14	66.6%	13,043.51	2739.14	66.6%
4:10 PM	8,821.47	793.93	45.1%	9,364.35	842.79	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,364.35	842.79	47.8%	9,364.35	842.79	47.8%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	15,758.24	157.58	80.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	15,556.33	2,022.32	79.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	13,635.60	3,408.90	69.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	12,420.46	3,105.11	63.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	11,221.28	2,805.32	57.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,594.19	2,398.55	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	8,269.69	2,067.42	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	7,104.53	1,776.13	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,042.06	1,510.51	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,217.67	1,304.42	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,487.74	1,121.93	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,950.56	987.64	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,458.44	864.61	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,076.50	769.13	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,697.67	674.42	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,400.20	600.05	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,085.76	521.44	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,824.74	456.18	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,540.17	385.04	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,294.79	323.70	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,010.20	252.55	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	769.63	192.41	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	636.64	159.16	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	701.35	175.34	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	770.82	192.70	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	852.77	213.19	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	944.17	236.04	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,055.68	263.92	5.4%	1,903.35	475.84	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,903.35	475.84	9.7%	1,903.35	475.84	9.7%
2:30 PM	1,185.83	296.46	6.1%	7,420.94	1855.24	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,420.94	1855.24	37.9%	7,420.94	1855.24	37.9%
2:45 PM	1,259.15	314.79	6.4%	14,659.58	3664.89	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,659.58	3664.89	74.9%	14,659.58	3664.89	74.9%
3:00 PM	1,517.33	379.33	7.8%	17,938.22	4484.55	91.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,938.22	4484.55	91.7%	17,938.22	4484.55	91.7%
3:15 PM	1,837.01	459.25	9.4%	17,618.50	4404.62	90.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,618.50	4404.62	90.0%	17,618.50	4404.62	90.0%
3:30 PM	2,402.47	600.62	12.3%	17,053.02	4263.26	87.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,053.02	4263.26	87.1%	17,053.02	4263.26	87.1%
3:45 PM	4,114.78	1,028.70	21.0%	15,132.94	3783.24	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,132.94	3783.24	77.3%	15,132.94	3783.24	77.3%
4:00 PM	8,036.40	1,205.46	41.1%	11,171.89	1675.78	57.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,171.89	1675.78	57.1%	11,171.89	1675.78	57.1%
4:03 PM	9,119.84	273.60	46.6%	10,335.69	310.07	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,335.69	310.07	52.8%	10,335.69	310.07	52.8%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	15,831.33	1,266.51	80.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	14,489.16	2,897.83	74.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,010.37	3,252.59	66.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,041.06	3,010.27	61.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	10,917.87	2,729.47	55.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	9,382.24	2,345.56	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,011.61	2,002.90	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	6,827.82	1,706.95	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,913.91	1,478.48	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,086.41	1,271.60	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,466.66	1,116.66	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,909.91	977.48	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,489.24	872.31	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,079.51	769.88	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,755.47	688.87	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,421.53	605.38	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,146.69	536.67	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,849.42	462.36	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,603.93	400.98	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,317.95	329.49	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,065.28	266.32	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	779.65	194.91	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	725.81	181.45	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	798.63	199.66	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	884.81	221.20	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	981.62	245.40	5.0%	628.39	157.10	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	628.39	157.10	3.2%	628.39	157.10	3.2%
2:15 PM	1,100.46	275.11	5.6%	5,063.19	1265.80	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,063.19	1265.80	25.9%	5,063.19	1265.80	25.9%
2:30 PM	1,226.71	306.68	6.3%	12,513.77	3128.44	63.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,513.77	3128.44	63.9%	12,513.77	3128.44	63.9%
2:45 PM	1,273.01	318.25	6.5%	18,175.42	4543.86	92.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,175.42	4543.86	92.9%	18,175.42	4543.86	92.9%
3:00 PM	1,410.81	352.70	7.2%	18,044.69	4511.17	92.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,044.69	4511.17	92.2%	18,044.69	4511.17	92.2%
3:15 PM	1,772.30	443.07	9.1%	17,683.22	4420.80	90.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,683.22	4420.80	90.4%	17,683.22	4420.80	90.4%
3:30 PM	2,804.19	701.05	14.3%	16,651.33	4162.83	85.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,651.33	4162.83	85.1%	16,651.33	4162.83	85.1%
3:45 PM	5,828.72	1,340.61	29.8%	13,626.81	3134.17	69.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,626.81	3134.17	69.6%	13,626.81	3134.17	69.6%
3:57 PM	9,835.42	1,081.90	50.3%	9,620.09	1058.21	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,620.09	1058.21	49.2%	9,620.09	1058.21	49.2%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	15,897.44	317.95	81.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	15,533.46	2,330.02	79.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	13,687.32	3,421.83	69.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	12,582.44	3,145.61	64.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	12,170.14	3,042.53	62.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	10,504.06	2,626.01	53.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	8,945.94	2,236.49	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	7,624.03	1,906.01	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	6,611.41	1,652.85	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,701.79	1,425.45	29.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,991.72	1,247.93	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,370.68	1,092.67	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,895.92	973.98	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,453.10	863.28	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,105.39	776.35	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,751.17	687.79	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,463.36	615.84	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,151.99	538.00	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,898.13	474.53	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,612.95	403.24	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,358.56	339.64	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,037.27	259.32	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	806.94	201.74	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	818.05	204.51	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	907.45	226.86	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,008.31	252.08	5.2%	1,808.90	452.23	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,808.90	452.23	9.2%	1,808.90	452.23	9.2%
2:15 PM	1,132.81	283.20	5.8%	6,795.78	1698.94	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,795.78	1698.94	34.7%	6,795.78	1698.94	34.7%
2:30 PM	1,209.40	302.35	6.2%	15,657.46	3914.36	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,657.46	3914.36	80.0%	15,657.46	3914.36	80.0%
2:45 PM	1,255.02	313.76	6.4%	18,200.47	4550.12	93.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,200.47	4550.12	93.0%	18,200.47	4550.12	93.0%
3:00 PM	1,294.51	323.63	6.6%	18,161.02	4540.26	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,161.02	4540.26	92.8%	18,161.02	4540.26	92.8%
3:15 PM	1,782.60	445.65	9.1%	17,672.90	4418.22	90.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,672.90	4418.22	90.3%	17,672.90	4418.22	90.3%
3:30 PM	3,305.82	826.45	16.9%	16,149.73	4037.43	82.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,149.73	4037.43	82.5%	16,149.73	4037.43	82.5%
3:45 PM	7,460.65	1,492.13	38.1%	11,994.91	2398.98	61.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,994.91	2398.98	61.3%	11,994.91	2398.98	61.3%
3:54 PM	10,572.08	845.77	54.0%	8,883.44	710.68	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,883.44	710.68	45.4%	8,883.44	710.68	45.4%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	15,953.65	1,435.83	81.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	14,425.44	3,029.34	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	13,151.39	3,287.85	67.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	12,656.92	3,164.23	64.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	11,636.36	2,909.09	59.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	9,876.08	2,469.02	50.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	8,404.04	2,101.01	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,285.74	1,821.43	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,290.61	1,572.65	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,517.02	1,379.26	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,803.37	1,200.84	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,290.76	1,072.69	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,802.19	950.55	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,432.58	858.14	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,058.78	764.70	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,775.76	693.94	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,472.33	618.08	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,191.39	547.85	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,877.23	469.31	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,606.91	401.73	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,269.53	317.38	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,019.17	254.79	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	828.53	207.13	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	919.83	229.96	4.7%	112.17	28.04	0.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	112.17	28.04	0.6%	112.17	28.04	0.6%
2:00 PM	1,023.08	255.77	5.2%	2,078.85	519.71	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,078.85	519.71	10.6%	2,078.85	519.71	10.6%
2:15 PM	1,142.15	285.54	5.8%	7,101.08	1775.27	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,101.08	1775.27	36.3%	7,101.08	1775.27	36.3%
2:30 PM	1,192.59	298.15	6.1%	15,671.95	3917.99	80.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,671.95	3917.99	80.1%	15,671.95	3917.99	80.1%
2:45 PM	1,238.19	309.55	6.3%	18,217.31	4554.33	93.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,217.31	4554.33	93.1%	18,217.31	4554.33	93.1%
3:00 PM	1,277.39	319.35	6.5%	18,178.11	4544.53	92.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,178.11	4544.53	92.9%	18,178.11	4544.53	92.9%
3:15 PM	1,812.21	453.05	9.3%	17,643.31	4410.83	90.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,643.31	4410.83	90.2%	17,643.31	4410.83	90.2%
3:30 PM	3,929.83	982.46	20.1%	15,525.67	3881.42	79.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,525.67	3881.42	79.3%	15,525.67	3881.42	79.3%
3:45 PM	8,770.73	1,578.73	44.8%	10,684.78	1923.26	54.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,684.78	1923.26	54.6%	10,684.78	1923.26	54.6%
3:51 PM	11,221.60	561.08	57.3%	8,233.93	411.70	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,233.93	411.70	42.1%	8,233.93	411.70	42.1%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	15,992.63	639.71	81.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	15,240.67	2,590.91	77.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	13,702.13	3,425.53	70.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,050.99	3,262.75	66.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	12,504.85	3,126.21	63.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	10,762.15	2,690.54	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	9,133.24	2,283.31	46.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	7,906.19	1,976.55	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	6,825.54	1,706.39	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,988.86	1,497.22	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,217.76	1,304.44	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,637.69	1,159.42	23.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,114.09	1,028.52	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,718.95	929.74	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,326.91	831.73	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,006.72	751.68	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,662.16	665.54	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,396.91	599.23	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,102.56	525.64	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,817.10	454.28	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,469.42	367.35	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,201.54	300.39	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	960.56	240.14	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	921.92	230.48	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,025.38	256.35	5.2%	1,720.38	430.10	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,720.38	430.10	8.8%	1,720.38	430.10	8.8%
2:15 PM	1,126.97	281.74	5.8%	6,479.60	1619.90	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,479.60	1619.90	33.1%	6,479.60	1619.90	33.1%
2:30 PM	1,176.95	294.24	6.0%	14,027.97	3506.99	71.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,027.97	3506.99	71.7%	14,027.97	3506.99	71.7%
2:45 PM	1,222.56	305.64	6.2%	18,232.97	4558.24	93.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,232.97	4558.24	93.2%	18,232.97	4558.24	93.2%
3:00 PM	1,277.50	319.38	6.5%	18,178.03	4544.51	92.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,178.03	4544.51	92.9%	18,178.03	4544.51	92.9%
3:15 PM	1,865.58	466.40	9.5%	17,589.91	4397.48	89.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,589.91	4397.48	89.9%	17,589.91	4397.48	89.9%
3:30 PM	4,262.03	1,065.51	21.8%	15,193.46	3798.36	77.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,193.46	3798.36	77.6%	15,193.46	3798.36	77.6%
3:45 PM	9,309.76	1,582.66	47.6%	10,145.78	1724.78	51.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,145.78	1724.78	51.8%	10,145.78	1724.78	51.8%
3:51 PM	11,717.42	585.87	59.9%	7,738.10	386.90	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,738.10	386.90	39.5%	7,738.10	386.90	39.5%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	16,020.64	1,922.48	81.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	14,192.00	3,548.00	72.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,379.03	3,344.76	68.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	12,794.30	3,198.57	65.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	11,554.51	2,888.63	59.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	9,773.90	2,443.47	49.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,442.38	2,110.59	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,280.78	1,820.20	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,384.32	1,596.08	32.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,565.15	1,391.29	28.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,924.93	1,231.23	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,368.62	1,092.15	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,948.09	987.02	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,538.78	884.70	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,213.63	803.41	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,865.78	716.44	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,587.24	646.81	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,278.06	569.51	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,982.67	495.67	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,630.58	407.65	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,347.01	336.75	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,084.71	271.18	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	927.43	231.86	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,015.34	253.84	5.2%	1,069.06	267.26	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,069.06	267.26	5.5%	1,069.06	267.26	5.5%
2:15 PM	1,112.13	278.03	5.7%	5,302.32	1325.58	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,302.32	1325.58	27.1%	5,302.32	1325.58	27.1%
2:30 PM	1,162.42	290.60	5.9%	12,249.69	3062.42	62.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,249.69	3062.42	62.6%	12,249.69	3062.42	62.6%
2:45 PM	1,208.36	302.09	6.2%	18,151.47	4537.87	92.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,151.47	4537.87	92.7%	18,151.47	4537.87	92.7%
3:00 PM	1,263.73	315.93	6.5%	18,191.76	4547.94	93.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,191.76	4547.94	93.0%	18,191.76	4547.94	93.0%
3:15 PM	1,748.35	437.09	8.9%	17,707.20	4426.80	90.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,707.20	4426.80	90.5%	17,707.20	4426.80	90.5%
3:30 PM	4,097.66	1,024.41	20.9%	15,357.83	3839.46	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,357.83	3839.46	78.5%	15,357.83	3839.46	78.5%
3:45 PM	9,066.02	1,631.88	46.3%	10,389.47	1870.10	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,389.47	1870.10	53.1%	10,389.47	1870.10	53.1%
3:52 PM	11,952.76	717.17	61.1%	7,502.74	450.16	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,502.74	450.16	38.3%	7,502.74	450.16	38.3%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	16,033.52	1,282.68	81.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	14,621.99	3,070.62	74.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,620.40	3,405.10	69.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	12,999.07	3,249.77	66.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	12,121.18	3,030.30	61.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	10,262.56	2,565.64	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	8,843.06	2,210.77	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	7,613.84	1,903.46	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	6,669.16	1,667.29	34.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,809.67	1,452.42	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,139.27	1,284.82	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,539.89	1,134.97	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,099.72	1,024.93	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,675.63	918.91	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,341.93	835.48	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,984.47	746.12	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,701.61	675.40	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,387.17	596.79	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,094.49	523.62	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,742.28	435.57	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,445.02	361.26	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,166.50	291.63	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	987.55	246.89	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	995.56	248.89	5.1%	467.89	116.97	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	467.89	116.97	2.4%	467.89	116.97	2.4%
2:15 PM	1,099.06	274.76	5.6%	4,060.83	1015.21	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,060.83	1015.21	20.7%	4,060.83	1015.21	20.7%
2:30 PM	1,149.94	287.48	5.9%	10,605.55	2651.39	54.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,605.55	2651.39	54.2%	10,605.55	2651.39	54.2%
2:45 PM	1,196.33	299.08	6.1%	17,453.88	4363.47	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,453.88	4363.47	89.2%	17,453.88	4363.47	89.2%
3:00 PM	1,242.20	310.55	6.3%	18,213.33	4553.33	93.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,213.33	4553.33	93.1%	18,213.33	4553.33	93.1%
3:15 PM	1,596.08	399.02	8.2%	17,859.41	4464.85	91.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,859.41	4464.85	91.3%	17,859.41	4464.85	91.3%
3:30 PM	3,504.10	876.03	17.9%	15,951.41	3987.85	81.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,951.41	3987.85	81.5%	15,951.41	3987.85	81.5%
3:45 PM	8,231.50	1,728.62	42.1%	11,224.01	2357.04	57.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,224.01	2357.04	57.4%	11,224.01	2357.04	57.4%
3:54 PM	12,042.63	963.41	61.5%	7,412.88	593.03	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,412.88	593.03	37.9%	7,412.88	593.03	37.9%

EXHIBIT F10: HOWARD & LANGTON MINI PARK DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	8,773.74	965.11	85.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	8,015.74	1,843.62	78.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	6,643.40	1,660.85	65.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	5,315.90	1,328.97	52.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	4,263.78	1,065.95	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	3,363.15	840.79	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	2,739.44	684.86	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,233.49	558.37	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,786.25	446.56	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,605.81	401.45	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,556.58	389.14	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,496.14	374.03	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,427.11	356.78	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,332.78	333.20	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,236.08	309.02	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,134.10	283.52	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,041.47	260.37	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	945.09	236.27	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	857.64	214.41	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	761.84	190.46	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	671.83	167.96	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	573.63	143.41	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	531.69	132.92	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	590.69	147.67	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	694.65	173.66	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	742.58	185.65	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	839.92	209.98	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	884.46	221.11	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,003.49	250.87	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,107.88	276.97	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,248.01	312.00	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,395.47	348.87	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,561.25	390.31	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,715.46	428.86	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,883.59	470.90	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,033.57	508.39	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,195.64	548.91	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,348.56	587.14	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,515.46	628.86	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,680.03	670.01	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,818.33	704.58	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,950.49	737.62	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,087.89	771.97	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,220.63	805.16	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,354.60	838.65	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,630.51	907.63	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,174.42	1,043.61	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,021.69	1,255.42	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,095.17	1,523.79	59.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	7,029.00	1,757.25	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,245.06	2,773.52	90.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	9,573.80	1,723.28	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	8,759.80	875.98	85.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	8,106.10	1,783.34	79.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	6,834.47	1,708.62	66.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	5,463.17	1,365.79	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	4,385.31	1,096.33	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	3,469.54	867.39	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	2,809.26	702.32	27.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,297.30	574.32	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,840.83	460.21	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,621.74	405.44	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,572.01	393.00	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,512.19	378.05	14.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,445.94	361.49	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,351.46	337.86	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,254.81	313.70	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,151.00	287.75	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,057.88	264.47	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	960.92	240.23	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	872.94	218.23	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	776.71	194.18	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	686.50	171.63	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	588.41	147.10	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	533.72	133.43	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	593.69	148.42	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	697.65	174.41	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	746.28	186.57	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	843.54	210.89	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	891.02	222.76	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,000.26	250.07	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,105.40	276.35	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,240.63	310.16	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,388.31	347.08	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,554.42	388.60	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,709.06	427.26	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,878.60	469.65	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,029.59	507.40	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,192.03	548.01	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,345.84	586.46	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,513.22	628.31	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,679.03	669.76	26.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,821.74	705.44	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,954.62	738.65	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,093.47	773.37	30.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,227.64	806.91	31.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,363.59	840.90	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,618.01	904.50	35.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,141.04	1,035.26	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	4,965.53	1,241.38	48.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,025.46	1,506.36	59.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	6,945.85	1,736.46	68.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	8,851.09	2,655.33	86.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	9,573.75	1,723.28	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	8,714.78	522.89	85.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	8,230.58	1,563.81	80.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	7,093.75	1,773.44	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	5,664.47	1,416.12	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	4,550.38	1,137.59	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	3,613.55	903.39	35.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	2,907.78	726.95	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,388.64	597.16	23.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	1,920.67	480.17	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,661.01	415.25	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,610.28	402.57	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,549.67	387.42	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,484.96	371.24	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,389.35	347.34	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,289.92	322.48	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,184.27	296.07	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,088.69	272.17	10.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	990.04	247.51	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	900.60	225.15	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	802.99	200.75	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	710.81	177.70	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	610.99	152.75	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	559.88	139.97	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	620.55	155.14	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	724.53	181.13	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	774.29	193.57	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	871.29	217.82	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	920.10	230.03	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,017.47	254.37	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,124.26	281.07	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,252.51	313.13	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,401.38	350.34	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,569.14	392.28	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,725.06	431.26	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,897.97	474.49	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,051.51	512.88	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,216.88	554.22	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,373.16	593.29	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,543.30	635.82	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,711.81	677.95	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,861.99	715.50	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,998.36	749.59	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,141.38	785.35	30.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,279.89	819.97	32.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,421.38	855.34	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,668.44	917.11	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,190.13	1,047.53	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,020.60	1,255.15	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,014.94	1,503.73	58.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	6,888.92	1,722.23	67.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	8,753.44	2,626.03	85.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:36 PM	9,573.73	1,723.27	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	8,638.90	259.17	84.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	8,399.03	1,259.85	82.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	7,419.15	1,854.79	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	5,918.98	1,479.74	57.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	4,756.92	1,189.23	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	3,795.58	948.89	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	3,034.28	758.57	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,505.02	626.26	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,025.76	506.44	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,724.22	431.05	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,671.53	417.88	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,609.55	402.39	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,544.63	386.16	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,446.83	361.71	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,341.33	335.33	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,231.65	307.91	12.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,133.19	283.30	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,032.23	258.06	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	940.17	235.04	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	839.85	209.96	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	745.01	186.25	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	642.99	160.75	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	609.46	152.36	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	671.65	167.91	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	774.91	193.73	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	826.66	206.66	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	923.21	230.80	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	973.11	243.28	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,060.48	265.12	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,164.33	291.08	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,294.65	323.66	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,434.62	358.65	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,604.88	401.22	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,763.36	440.84	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,940.93	485.23	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,099.33	524.83	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,269.39	567.35	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,430.36	607.59	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,606.00	651.50	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,779.55	694.89	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,940.01	735.00	28.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,082.04	770.51	30.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,232.12	808.03	31.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,378.28	844.57	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,528.58	882.14	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,782.09	945.52	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,323.42	1,080.85	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,191.99	1,298.00	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,061.82	1,515.45	59.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	6,848.85	1,712.21	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,419.67	2,637.51	92.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:33 PM	9,573.77	1,436.07	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	8,531.53	1,109.10	83.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	7,639.00	1,833.36	74.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	6,205.28	1,489.27	60.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	4,988.34	1,247.09	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,000.19	1,000.05	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	3,182.18	795.55	31.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,639.44	659.86	25.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,149.55	537.39	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,811.39	452.85	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,755.19	438.80	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,692.69	423.17	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,624.96	406.24	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,520.41	380.10	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,407.91	351.98	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,293.20	323.30	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,190.51	297.63	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,085.72	271.43	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	989.92	247.48	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	885.67	221.42	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	786.57	196.64	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	681.69	170.42	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	684.74	171.18	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	747.68	186.92	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	850.01	212.50	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	903.78	225.94	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,000.00	250.00	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,051.48	262.87	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,143.63	285.91	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,227.75	306.94	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,360.56	340.14	13.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,490.07	372.52	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,664.07	416.02	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,826.94	456.73	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,009.26	502.32	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,175.47	543.87	21.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,352.69	588.17	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,520.22	630.06	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,703.67	675.92	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,885.22	721.30	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,058.17	764.54	29.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,208.69	802.17	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,368.87	842.22	33.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,525.70	881.43	34.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,689.07	922.27	36.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,966.46	991.61	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,555.51	1,138.88	44.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,394.46	1,348.61	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,150.72	1,537.68	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	6,839.09	1,709.77	66.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,573.78	2,393.45	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 PM	9,258.20	1,203.57	90.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	8,394.94	503.70	82.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	7,899.05	1,500.82	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	6,529.58	1,632.39	63.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	5,252.15	1,313.04	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,234.23	1,058.56	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	3,366.35	841.59	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,795.88	698.97	27.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,294.82	573.70	22.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	1,923.83	480.96	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	1,865.10	466.28	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,798.61	449.65	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,726.53	431.63	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,611.40	402.85	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,490.47	372.62	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,368.12	342.03	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,261.57	315.39	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,150.67	287.67	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,050.41	262.60	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	939.81	234.95	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	835.64	208.91	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	727.44	181.86	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	781.19	195.30	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	847.31	211.83	8.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	948.62	237.15	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,004.72	251.18	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,100.98	275.24	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,154.67	288.67	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,247.94	311.99	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,313.83	328.46	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,449.53	362.38	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,566.61	391.65	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,745.42	436.36	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,913.83	478.46	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,102.38	525.60	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,279.30	569.82	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,465.38	616.34	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,642.08	660.52	25.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,836.02	709.01	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,028.30	757.07	29.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,216.63	804.16	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,378.61	844.65	33.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,552.85	888.21	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,724.36	931.09	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,905.22	976.30	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	4,225.26	1,056.31	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	4,887.97	1,221.99	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,598.67	1,399.67	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,258.39	1,564.60	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	7,630.26	1,907.56	74.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,573.75	2,010.49	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:25 PM	9,573.75	861.64	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	8,224.69	164.49	80.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	8,062.72	1,209.41	78.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	6,853.64	1,713.41	67.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	5,523.40	1,380.85	54.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,475.90	1,118.98	43.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	3,560.71	890.18	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	2,964.82	741.20	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,453.79	613.45	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	2,062.40	515.60	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,001.21	500.30	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	1,927.17	481.79	18.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,848.61	462.15	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,717.88	429.47	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,586.10	396.52	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,455.47	363.87	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,341.88	335.47	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,225.22	306.30	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,117.81	279.45	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	999.92	249.98	9.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	889.35	222.34	8.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	794.94	198.74	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	901.77	225.44	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	969.87	242.47	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,071.63	267.91	10.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,129.70	282.43	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,226.36	306.59	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,282.90	320.73	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,377.01	344.25	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,429.73	357.43	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,564.24	391.06	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,673.80	418.45	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,852.29	463.07	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,027.97	506.99	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,224.98	556.24	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,413.45	603.36	23.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,612.03	653.01	25.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,800.28	700.07	27.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,007.89	751.97	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,214.66	803.66	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,421.24	855.31	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,597.97	899.49	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,790.34	947.59	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,981.38	995.35	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	4,185.72	1,046.43	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	4,578.24	1,144.56	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,211.22	1,302.81	51.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	5,834.45	1,458.61	57.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,435.49	1,608.87	63.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 PM	9,046.92	2,261.73	88.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 PM	9,573.78	1,436.07	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:18 PM	9,573.76	287.21	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	8,019.19	721.73	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	7,174.08	1,506.56	70.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	5,803.08	1,450.77	56.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,727.38	1,181.85	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	3,770.66	942.66	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	3,150.65	787.66	30.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,631.06	657.76	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	2,233.42	558.36	21.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,163.27	540.82	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,079.83	519.96	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	1,989.44	497.36	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,836.83	459.21	18.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,694.94	423.74	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,554.49	388.62	15.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,432.92	358.23	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,308.48	327.12	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,192.25	298.06	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,064.90	266.22	10.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	947.82	236.95	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	939.23	234.81	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,044.74	261.19	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,114.18	278.55	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,217.79	304.45	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,278.06	319.52	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,375.26	343.82	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,435.17	358.79	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,530.60	382.65	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,594.27	398.57	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,704.26	426.07	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,818.65	454.66	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,983.58	495.89	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,167.89	541.97	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,375.38	593.85	23.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,578.59	644.65	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,792.15	698.04	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,995.33	748.83	29.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,220.10	805.03	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,445.31	861.33	33.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,673.79	918.45	36.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,870.02	967.51	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,085.53	1,021.38	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,302.37	1,075.59	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	4,538.38	1,134.59	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	4,984.65	1,246.16	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,558.68	1,389.67	54.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,135.02	1,533.76	60.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,650.65	2,261.22	65.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:10 PM	9,573.76	2,010.49	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	7,775.94	311.04	76.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	7,448.38	1,266.22	72.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	6,086.19	1,521.55	59.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	4,990.95	1,247.74	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,009.90	1,002.48	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	3,357.12	839.28	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	2,839.12	709.78	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	2,434.84	608.71	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,353.38	588.35	23.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,258.11	564.53	22.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,144.59	536.15	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	1,977.11	494.28	19.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,816.60	454.15	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,665.33	416.33	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,534.54	383.64	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,400.13	350.03	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,271.11	317.78	12.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,134.11	283.53	11.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,032.19	258.05	10.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,104.10	276.03	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,208.91	302.23	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,279.07	319.77	12.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,383.22	345.80	13.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,448.07	362.02	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,546.41	386.60	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,610.30	402.57	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,708.15	427.04	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,775.83	443.96	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,871.76	467.94	18.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,990.08	497.52	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,138.62	534.65	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,333.17	583.29	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,553.77	638.44	25.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,772.60	693.15	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,005.94	751.48	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,228.02	807.01	31.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,474.36	868.59	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,723.02	930.76	36.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,978.15	994.54	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,198.65	1,049.66	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,444.40	1,111.10	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,695.42	1,173.86	46.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	4,985.32	1,246.33	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,433.15	1,358.29	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	5,977.76	1,494.44	58.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,520.13	1,630.03	63.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	6,662.86	1,798.97	65.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:02 PM	9,573.69	1,340.32	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	7,503.77	825.41	73.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	6,348.32	1,460.11	62.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,237.85	1,309.46	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,255.61	1,063.90	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	3,584.47	896.12	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,063.16	765.79	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	2,667.00	666.75	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,571.25	642.81	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,458.13	614.53	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,320.54	580.14	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,142.97	535.74	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	1,951.49	487.87	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,784.76	446.19	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,642.60	410.65	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,495.23	373.81	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,350.86	337.72	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,204.94	301.23	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,220.40	305.10	11.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,291.00	322.75	12.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,395.14	348.78	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,466.63	366.66	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,570.47	392.62	15.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,641.45	410.36	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,741.16	435.29	17.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,809.47	452.37	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,911.14	477.78	18.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,983.62	495.90	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,093.01	523.25	20.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,191.56	547.89	21.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,339.17	584.79	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,530.84	632.71	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,766.65	691.66	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,002.12	750.53	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,261.63	815.41	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,506.99	876.75	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,780.60	945.15	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,059.49	1,014.87	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,344.97	1,086.24	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,597.64	1,149.41	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,883.62	1,220.90	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,180.19	1,295.05	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,525.14	1,381.28	54.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	5,982.44	1,495.61	58.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,525.28	1,631.32	63.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,619.99	1,655.00	64.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:45 PM	7,118.29	1,352.48	69.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:52 PM	8,430.23	505.81	82.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	7,198.93	431.94	70.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	6,600.34	1,254.06	64.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,505.69	1,376.42	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,544.74	1,136.19	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	3,842.06	960.52	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,319.06	829.77	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	2,934.34	733.59	28.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,820.73	705.18	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,688.19	672.05	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,526.72	631.68	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,332.51	583.13	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,114.44	528.61	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,916.53	479.13	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,758.48	439.62	17.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,592.13	398.03	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,433.48	358.37	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,332.26	333.06	13.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,426.89	356.72	14.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,498.02	374.51	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,600.75	400.19	15.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,673.10	418.27	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,777.84	444.46	17.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,851.79	462.95	18.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,957.42	489.35	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,030.42	507.60	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,137.10	534.27	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,215.95	553.99	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,331.51	582.88	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,429.38	607.35	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,584.42	646.11	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,756.06	689.02	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,009.94	752.49	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,265.64	816.41	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,556.10	889.02	34.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,831.83	957.96	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,139.46	1,034.86	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,455.14	1,113.78	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,780.08	1,195.02	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,074.40	1,268.60	49.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,413.10	1,353.28	53.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,769.67	1,442.42	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,174.24	1,543.56	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,673.10	1,668.27	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,701.90	1,675.47	65.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:30 PM	6,654.32	1,530.49	65.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:42 PM	7,679.96	844.80	75.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	6,950.76	903.60	68.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,828.00	1,457.00	57.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,887.13	1,221.78	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,139.04	1,034.76	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,611.73	902.93	35.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,240.30	810.07	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,104.60	776.15	30.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,946.15	736.54	28.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,764.42	691.10	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,530.17	632.54	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,289.40	572.35	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,069.56	517.39	20.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,879.14	469.78	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,689.80	422.45	16.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,520.21	380.05	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,559.72	389.93	15.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,652.87	413.22	16.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,723.01	430.75	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,824.61	456.15	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,897.80	474.45	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,003.74	500.94	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,081.81	520.45	20.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,192.08	548.02	21.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,273.28	568.32	22.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,385.24	596.31	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,472.97	618.24	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,606.21	651.55	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,715.28	678.82	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,867.63	716.91	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,011.76	752.94	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,286.42	821.61	32.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,566.28	891.57	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,887.41	971.85	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,208.44	1,052.11	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,555.81	1,138.95	44.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,920.44	1,230.11	48.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,294.70	1,323.68	51.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,644.43	1,411.11	55.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,053.28	1,513.32	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,492.40	1,623.10	63.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,994.43	1,748.61	68.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	6,899.89	1,724.97	67.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	6,774.85	1,829.21	66.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	7,647.05	1,070.59	74.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	6,847.94	547.84	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	6,181.46	1,298.11	60.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,281.24	1,320.31	51.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,469.44	1,117.36	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,948.99	987.25	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,590.06	897.52	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,425.74	856.43	33.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,246.31	811.58	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,030.03	757.51	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,740.19	685.05	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,472.71	618.18	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,227.76	556.94	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,003.95	500.99	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,789.01	447.25	17.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,748.40	437.10	17.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,804.02	451.01	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,896.35	474.09	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,964.89	491.22	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,065.52	516.38	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,140.12	535.03	20.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,247.72	561.93	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,329.95	582.49	22.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,445.41	611.35	23.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,535.98	633.99	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,656.51	664.13	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,760.10	690.02	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,907.27	726.82	28.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,042.29	760.57	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,193.51	798.38	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,325.07	831.27	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,599.11	899.78	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,907.94	976.99	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,269.62	1,067.40	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,639.63	1,159.91	45.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,041.04	1,260.26	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,468.49	1,367.12	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,905.13	1,476.28	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,329.42	1,582.36	61.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,835.19	1,708.80	66.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,368.13	1,842.03	72.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,218.69	1,804.67	70.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	7,029.72	1,757.43	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	7,018.59	1,263.35	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	901.27	162.23	8.8%	901.27	162.23	8.8%
6:21 PM	7,662.97	383.15	75.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,501.60	75.08	14.7%	1,501.60	75.08	14.7%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	6,887.54	137.75	67.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	6,642.01	996.30	65.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,695.08	1,423.77	55.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,843.35	1,210.84	47.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,342.64	1,085.66	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,989.82	997.45	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,790.03	947.51	37.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,575.24	893.81	35.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,320.88	830.22	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,961.83	740.46	29.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,663.13	665.78	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,384.40	596.10	23.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,125.32	531.33	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,947.85	486.96	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,011.68	502.92	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,065.85	516.46	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,155.28	538.82	21.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,221.90	555.48	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,321.96	580.49	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,397.94	599.49	23.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,508.28	627.07	24.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,594.81	648.70	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,716.07	679.02	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,815.65	703.91	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,950.78	737.70	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,068.33	767.08	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,234.52	808.63	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,393.19	848.30	33.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,567.41	891.85	34.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,707.07	926.77	36.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,951.11	987.78	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,308.41	1,077.10	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,723.53	1,180.88	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,129.16	1,282.29	50.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,604.71	1,401.18	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,114.21	1,528.55	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,633.34	1,658.34	64.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,158.31	1,789.58	70.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,699.90	1,924.98	75.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,526.34	1,881.59	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,355.03	1,838.76	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	7,194.89	1,510.93	70.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	921.87	193.59	9.0%	921.87	193.59	9.0%
6:09 PM	7,717.46	617.40	75.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,856.33	148.51	18.2%	1,856.33	148.51	18.2%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	6,978.03	697.80	68.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,112.42	1,344.73	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,270.32	1,317.58	51.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,804.72	1,201.18	47.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,447.56	1,111.89	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,203.25	1,050.81	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,940.92	985.23	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,592.78	898.20	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,191.92	797.98	31.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,856.35	714.09	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,528.74	632.18	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,245.57	561.39	22.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,230.01	557.50	21.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,292.24	573.06	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,342.04	585.51	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,427.68	606.92	23.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,492.42	623.11	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,592.34	648.09	25.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,670.40	667.60	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,787.05	696.76	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,881.48	720.37	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,007.18	751.80	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,113.96	778.49	30.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,262.23	815.56	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,399.17	849.79	33.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,588.26	897.06	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,772.70	943.18	36.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,993.65	998.41	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,155.75	1,038.94	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,386.47	1,096.62	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,797.83	1,199.46	47.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,255.05	1,313.76	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,700.53	1,425.13	55.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	6,260.33	1,565.08	61.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,880.78	1,720.20	67.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	7,508.25	1,877.06	73.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,974.06	1,993.52	78.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,814.42	1,953.60	76.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,647.40	1,911.85	74.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,481.76	1,720.81	73.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	8,507.03	935.77	83.3%	1,066.74	117.34	10.4%	1,066.74	117.34	10.4%	0.00	0.00	0.0%	1,066.74	117.34	10.4%	1,066.74	117.34	10.4%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	7,073.63	282.95	69.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,667.85	1,133.53	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,770.57	1,442.64	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,356.24	1,339.06	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,977.68	1,244.42	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,674.97	1,168.74	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,335.83	1,083.96	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,880.47	970.12	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,433.03	858.26	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,046.05	761.51	29.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,670.45	667.61	26.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,519.85	629.96	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,527.78	631.95	24.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,584.60	646.15	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,628.74	657.19	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,710.42	677.60	26.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,773.31	693.33	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,873.40	718.35	28.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,952.84	738.21	28.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,063.50	765.88	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,158.07	789.52	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,301.65	825.41	32.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,428.51	857.13	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,595.21	898.80	35.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	3,750.75	937.69	36.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,965.96	991.49	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,180.84	1,045.21	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,461.26	1,115.32	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,697.83	1,174.46	46.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,959.26	1,239.82	48.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,355.97	1,338.99	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,866.05	1,466.51	57.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,366.54	1,591.64	62.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	7,017.00	1,754.25	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	7,783.88	1,945.97	76.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	8,238.57	2,059.64	80.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	8,077.65	2,019.41	79.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,923.35	1,980.84	77.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,762.51	2,095.88	76.0%	1,670.97	451.16	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,670.97	451.16	16.4%	1,670.97	451.16	16.4%
5:47 PM	8,035.03	1,124.90	78.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	7,168.83	860.26	70.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,402.43	1,536.58	62.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,013.27	1,503.32	58.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,592.04	1,398.01	54.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,205.06	1,301.26	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,745.37	1,186.34	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,190.60	1,047.65	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,683.34	920.84	36.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,222.70	805.68	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,861.44	715.36	28.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,836.76	709.19	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,837.07	709.27	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,886.31	721.58	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,923.33	730.83	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,000.57	750.14	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,061.24	765.31	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,161.69	790.42	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,243.62	810.90	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,366.24	841.56	32.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,471.31	867.83	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,619.16	904.79	35.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	3,756.92	939.23	36.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	3,946.64	986.66	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,122.72	1,030.68	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,368.97	1,092.24	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	4,627.94	1,156.99	45.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,967.51	1,241.88	48.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,288.41	1,322.10	51.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,627.35	1,406.84	55.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,990.16	1,497.54	58.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,564.01	1,641.00	64.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	7,140.72	1,785.18	69.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	7,901.70	1,975.43	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	8,474.06	2,118.51	82.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	8,331.66	2,082.91	81.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	8,175.89	2,043.97	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	8,026.55	2,006.64	78.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	8,086.93	1,536.52	79.1%	1,486.85	282.50	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,486.85	282.50	14.6%	1,486.85	282.50	14.6%
5:37 PM	8,238.40	494.30	80.6%	1,335.40	80.12	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,335.40	80.12	13.1%	1,335.40	80.12	13.1%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	7,263.31	435.80	71.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,891.49	1,240.47	67.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,798.45	1,699.61	66.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,297.44	1,574.36	61.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,788.65	1,447.16	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,189.70	1,297.43	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,524.88	1,131.22	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,933.30	983.32	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,401.14	850.28	33.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,186.36	796.59	31.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,165.49	791.37	31.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,152.49	788.12	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,191.56	797.89	31.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,221.26	805.32	31.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,294.38	823.59	32.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,353.33	838.33	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,454.22	863.55	33.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,538.55	884.64	34.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,666.49	916.62	35.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,778.97	944.74	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,939.36	984.84	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,099.09	1,024.77	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	4,308.93	1,077.23	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	4,514.49	1,128.62	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	4,799.70	1,199.93	47.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	5,100.76	1,275.19	49.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	5,495.40	1,373.85	53.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	5,888.52	1,472.13	57.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	6,368.24	1,592.06	62.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,720.87	1,680.22	65.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	7,359.15	1,839.79	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,030.54	2,007.64	78.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	8,554.94	2,138.73	83.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	8,565.40	2,141.35	83.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	8,419.55	2,104.89	82.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	8,268.43	2,067.11	80.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	8,137.72	1,790.30	79.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	9,316.85	931.68	91.2%	144.97	14.50	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	144.97	14.50	1.4%	144.97	14.50	1.4%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	7,429.78	965.87	72.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	7,535.11	1,883.78	73.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	7,121.38	1,780.34	69.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,463.33	1,615.83	63.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,658.94	1,414.73	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,888.11	1,222.03	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,178.53	1,044.63	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,686.51	921.63	36.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,536.62	884.15	34.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,498.14	874.53	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,469.37	867.34	34.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,497.51	874.38	34.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,518.55	879.64	34.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,587.28	896.82	35.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,643.42	910.86	35.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,744.43	936.11	36.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,831.38	957.84	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,964.88	991.22	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,084.35	1,021.09	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,262.83	1,065.71	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,441.31	1,110.33	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,677.00	1,169.25	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,914.66	1,228.66	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,236.42	1,309.11	51.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,575.33	1,393.83	54.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	6,024.49	1,506.12	59.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	6,498.97	1,624.74	63.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	7,087.62	1,771.90	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	7,580.47	1,895.12	74.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	8,242.94	2,060.74	80.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	8,724.24	2,181.06	85.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	8,721.10	2,180.28	85.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,646.88	2,161.72	84.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,503.48	2,125.87	83.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,356.67	2,089.17	81.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	8,586.60	1,287.99	84.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	9,053.65	271.61	88.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	7,797.65	545.84	76.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	7,858.65	1,493.14	76.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,065.15	2,016.29	78.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,253.58	1,813.40	71.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,189.56	1,547.39	60.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,279.72	1,319.93	51.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,440.45	1,110.11	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,049.02	1,012.26	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,890.07	972.52	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,828.18	957.05	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,781.41	945.35	37.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,796.87	949.22	37.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,808.68	952.17	37.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,872.53	968.13	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,926.18	981.55	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,026.92	1,006.73	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,115.83	1,028.96	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,254.63	1,063.66	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,385.85	1,096.46	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,573.14	1,143.28	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,775.08	1,193.77	46.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,040.60	1,260.15	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,308.99	1,327.25	52.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,667.32	1,416.83	55.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	6,041.34	1,510.34	59.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	6,541.17	1,635.29	64.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	7,093.92	1,773.48	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	7,778.50	1,944.63	76.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,530.76	2,132.69	83.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	8,979.01	2,244.75	87.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	8,907.28	2,226.82	87.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	8,872.58	2,218.14	86.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,723.29	2,180.82	85.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,583.15	2,145.79	84.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,488.19	1,782.52	83.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	9,332.56	839.93	91.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	8,178.83	81.79	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	8,172.66	1,062.45	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,429.35	2,107.34	82.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	8,173.82	2,043.45	80.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,806.55	1,701.64	66.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,695.02	1,423.76	55.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,780.37	1,195.09	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,436.04	1,109.01	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,238.85	1,059.71	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,149.40	1,037.35	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,081.94	1,020.48	39.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,083.64	1,020.91	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,085.32	1,021.33	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,142.90	1,035.73	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,192.06	1,048.01	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,293.35	1,073.34	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,383.59	1,095.90	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,531.29	1,132.82	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,663.56	1,165.89	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,862.03	1,215.51	47.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,092.11	1,273.03	49.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,385.16	1,346.29	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,681.85	1,420.46	55.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,075.51	1,518.88	59.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	6,492.94	1,623.23	63.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	7,030.15	1,757.54	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	7,652.65	1,913.16	74.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	8,446.19	2,111.55	82.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,359.83	2,339.96	91.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,178.49	2,294.62	89.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,077.15	2,269.29	88.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	8,942.76	2,235.69	87.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,796.35	2,199.09	86.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,658.92	2,164.73	84.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,979.06	1,346.86	87.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	9,491.45	284.74	92.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	8,385.54	670.84	82.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,594.88	1,718.98	84.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	8,877.06	2,219.26	86.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,551.18	1,887.80	73.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,149.85	1,537.46	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,205.24	1,301.31	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,820.13	1,205.03	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,574.91	1,143.73	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,454.08	1,113.52	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,363.43	1,090.86	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,349.54	1,087.39	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,340.06	1,085.02	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,390.06	1,097.51	43.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,435.50	1,108.88	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,534.67	1,133.67	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,630.23	1,157.56	45.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,776.76	1,194.19	46.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	4,913.22	1,228.30	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,116.74	1,279.18	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,374.04	1,343.51	52.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,697.40	1,424.35	55.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,019.83	1,504.96	58.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,444.00	1,611.00	63.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	6,897.58	1,724.39	67.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	7,479.99	1,870.00	73.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	8,158.75	2,039.69	79.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,062.12	2,265.53	88.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,415.12	2,353.78	92.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,429.76	2,357.44	92.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,152.47	2,288.12	89.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,009.24	2,252.31	88.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,865.07	2,216.27	86.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,728.77	2,007.62	85.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	8,855.42	974.10	86.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	8,655.48	173.11	84.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,710.22	1,306.53	85.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	8,999.72	2,249.93	88.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,374.62	2,093.65	82.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,709.37	1,677.34	65.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,643.67	1,410.92	55.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,193.21	1,298.30	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,891.74	1,222.94	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,734.64	1,183.66	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,618.56	1,154.64	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,587.85	1,146.96	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,565.42	1,141.35	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,607.45	1,151.86	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,646.54	1,161.64	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,746.49	1,186.62	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	4,839.44	1,209.86	47.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	4,985.40	1,246.35	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,125.31	1,281.33	50.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,329.79	1,332.45	52.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,603.66	1,400.91	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,954.40	1,488.60	58.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,302.10	1,575.52	61.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,747.28	1,686.82	66.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,227.30	1,806.82	70.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	7,851.91	1,962.98	76.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	8,573.21	2,143.30	83.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,351.11	2,337.78	91.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,453.39	2,363.35	92.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,565.17	2,391.29	93.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,245.11	2,311.28	90.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,072.48	2,268.12	88.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,929.81	2,232.45	87.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,796.22	1,759.24	86.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	8,715.31	697.22	85.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	8,888.24	799.94	87.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	9,093.65	1,909.67	89.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,656.11	2,164.03	84.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	7,327.23	1,831.81	71.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,100.33	1,525.08	59.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,560.31	1,390.08	54.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,181.20	1,295.30	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	4,983.46	1,245.86	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	4,839.65	1,209.91	47.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,790.26	1,197.57	46.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,754.42	1,188.61	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,786.82	1,196.70	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,818.97	1,204.74	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	4,917.88	1,229.47	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,004.74	1,251.18	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,138.73	1,284.68	50.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,269.62	1,317.40	51.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,493.15	1,373.29	53.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,773.70	1,443.43	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,141.53	1,535.38	60.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,513.02	1,628.26	63.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,971.24	1,742.81	68.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,469.08	1,867.27	73.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	8,123.96	2,030.99	79.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	8,878.15	2,219.54	86.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,361.35	2,340.34	91.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,479.81	2,369.95	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,566.90	2,391.73	93.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,394.22	2,348.56	91.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,130.74	2,282.69	89.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	8,989.21	2,247.30	88.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,855.81	1,594.05	86.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	8,796.60	439.83	86.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	9,055.09	362.20	88.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	9,152.31	1,555.89	89.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,781.39	2,195.35	85.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	7,927.36	1,981.84	77.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,574.99	1,643.75	64.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,896.21	1,474.05	57.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,437.49	1,359.37	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,191.87	1,297.97	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,018.42	1,254.60	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	4,948.89	1,237.22	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,898.30	1,224.57	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	4,921.19	1,230.30	48.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	4,947.52	1,236.88	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,039.51	1,259.88	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,121.65	1,280.41	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,268.28	1,317.07	51.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,413.58	1,353.40	53.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,626.65	1,406.66	55.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,882.10	1,470.53	57.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,251.58	1,562.90	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,638.31	1,659.58	65.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,104.58	1,776.14	69.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,611.29	1,902.82	74.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	8,279.38	2,069.84	81.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	9,061.78	2,265.45	88.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,356.62	2,339.15	91.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,486.87	2,371.72	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,573.80	2,393.45	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,567.76	2,391.94	93.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,191.34	2,297.84	89.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	9,042.46	2,260.61	88.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,909.67	1,514.64	87.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	8,856.15	442.81	86.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	9,156.46	1,098.78	89.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,912.08	2,228.02	87.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,128.19	2,032.05	79.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,999.24	1,749.81	68.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,186.48	1,546.62	60.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,659.70	1,414.93	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,356.96	1,339.24	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,149.17	1,287.29	50.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,059.63	1,264.91	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	4,994.32	1,248.58	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,006.11	1,251.53	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,024.49	1,256.12	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,109.15	1,277.29	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,185.40	1,296.35	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,323.38	1,330.85	52.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,456.67	1,364.17	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,675.99	1,419.00	55.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,918.47	1,479.62	57.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,288.08	1,572.02	61.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,670.99	1,667.75	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,142.78	1,785.69	69.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,645.09	1,911.27	74.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	8,307.87	2,076.97	81.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	9,086.19	2,271.55	88.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,340.10	2,335.03	91.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,477.71	2,369.43	92.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,573.78	2,393.44	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,573.70	2,393.43	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,275.30	2,318.82	90.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	9,088.93	2,272.23	88.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,956.89	1,612.24	87.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	8,893.22	533.59	87.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	9,194.08	735.53	90.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	9,035.05	1,897.36	88.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	8,317.28	2,079.32	81.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,355.13	1,838.78	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	6,419.68	1,604.92	62.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	5,813.66	1,453.41	56.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	5,461.27	1,365.32	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	5,224.18	1,306.05	51.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	5,115.33	1,278.83	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	5,037.35	1,259.34	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	5,037.74	1,259.43	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	5,047.20	1,261.80	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	5,125.62	1,281.40	50.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	5,195.58	1,298.90	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	5,327.47	1,331.87	52.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	5,454.28	1,363.57	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	5,665.28	1,416.32	55.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	5,885.89	1,471.47	57.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	6,248.95	1,562.24	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,620.24	1,655.06	64.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,089.58	1,772.40	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,576.66	1,894.16	74.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	8,219.94	2,054.98	80.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	8,963.14	2,240.78	87.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	9,311.01	2,327.75	91.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	9,456.19	2,364.05	92.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	9,565.56	2,391.39	93.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	9,573.74	2,393.43	93.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	9,389.55	2,347.39	91.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	9,126.13	2,281.53	89.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,992.99	1,888.53	88.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	8,907.25	712.58	87.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F11: GENE FRIEND RECREATION CENTER DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	32,216.72	3,543.84	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,511.30	496.24	10.2%	4,511.30	496.24	10.2%
7:00 AM	30,559.83	7,028.76	68.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,454.25	1484.48	14.6%	6,454.25	1484.48	14.6%
7:15 AM	28,660.42	7,165.11	64.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,010.58	1502.65	13.6%	6,010.58	1502.65	13.6%
7:30 AM	27,125.63	6,781.41	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,517.31	1129.33	10.2%	4,517.31	1129.33	10.2%
7:45 AM	25,675.98	6,418.99	57.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,310.35	577.59	5.2%	2,310.35	577.59	5.2%
8:00 AM	24,405.13	6,101.28	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,027.31	256.83	2.3%	1,027.31	256.83	2.3%
8:15 AM	23,365.31	5,841.33	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	343.74	85.94	0.8%	343.74	85.94	0.8%
8:30 AM	22,462.58	5,615.65	50.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23.96	5.99	0.1%	23.96	5.99	0.1%
8:45 AM	21,691.73	5,422.93	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	21,033.47	5,258.37	47.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	20,451.44	5,112.86	46.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,945.66	4,986.41	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,489.15	4,872.29	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,089.99	4,772.50	43.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,724.66	4,681.16	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,404.99	4,601.25	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	18,098.15	4,524.54	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,825.60	4,456.40	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,552.95	4,388.24	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,315.10	4,328.78	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,063.72	4,265.93	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,852.03	4,213.01	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,674.76	4,168.69	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,668.88	4,167.22	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.85	4,166.96	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.42	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.15	4,166.79	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,666.97	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.87	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,650.58	4,162.64	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,678.17	4,169.54	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,884.41	4,221.10	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	17,039.24	4,259.81	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,219.90	4,304.98	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,392.51	4,348.13	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,587.93	4,396.98	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,783.54	4,445.89	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	18,001.60	4,500.40	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,227.26	4,556.81	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,478.03	4,619.51	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,745.69	4,686.42	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	19,046.02	4,761.51	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,387.40	4,846.85	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	19,904.08	4,976.02	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	20,742.54	5,185.64	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3.94	0.99	0.0%	3.94	0.99	0.0%
6:00 PM	21,892.35	5,473.09	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	112.70	28.18	0.3%	112.70	28.18	0.3%
6:15 PM	23,238.95	5,809.74	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	476.07	119.02	1.1%	476.07	119.02	1.1%
6:30 PM	24,787.40	6,196.85	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,199.01	299.75	2.7%	1,199.01	299.75	2.7%
6:45 PM	26,634.37	6,658.59	60.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,512.95	628.24	5.7%	2,512.95	628.24	5.7%
7:00 PM	28,562.21	7,140.55	64.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,789.43	1197.36	10.8%	4,789.43	1197.36	10.8%
7:15 PM	30,551.18	9,165.35	68.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,886.13	2365.84	17.8%	7,886.13	2365.84	17.8%
7:36 PM	34,135.56	6,144.40	77.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,051.93	1809.35	22.7%	10,051.93	1809.35	22.7%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	32,200.13	3,220.01	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,673.04	467.30	10.5%	4,673.04	467.30	10.5%
7:00 AM	30,819.48	6,780.29	69.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,365.50	1400.41	14.4%	6,365.50	1400.41	14.4%
7:15 AM	28,863.20	7,215.80	65.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,206.75	1551.69	14.0%	6,206.75	1551.69	14.0%
7:30 AM	27,292.03	6,823.01	61.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,967.33	1241.83	11.2%	4,967.33	1241.83	11.2%
7:45 AM	25,831.08	6,457.77	58.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,597.47	649.37	5.9%	2,597.47	649.37	5.9%
8:00 AM	24,527.16	6,131.79	55.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,188.03	297.01	2.7%	1,188.03	297.01	2.7%
8:15 AM	23,469.38	5,867.34	52.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	429.31	107.33	1.0%	429.31	107.33	1.0%
8:30 AM	22,550.57	5,637.64	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	62.31	15.58	0.1%	62.31	15.58	0.1%
8:45 AM	21,763.31	5,440.83	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	21,094.29	5,273.57	47.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	20,503.69	5,125.92	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,990.35	4,997.59	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,527.72	4,881.93	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,123.32	4,780.83	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,753.57	4,688.39	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,430.49	4,607.62	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	18,121.08	4,530.27	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,846.29	4,461.57	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,572.00	4,393.00	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,332.38	4,333.10	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,080.02	4,270.01	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,866.98	4,216.74	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,676.74	4,169.19	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,669.02	4,167.26	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.91	4,166.98	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.46	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.16	4,166.79	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.01	4,166.75	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.88	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,658.26	4,164.56	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,645.01	4,161.25	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,863.12	4,215.78	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	17,017.35	4,254.34	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,197.62	4,299.40	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,369.39	4,342.35	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,564.06	4,391.01	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,758.58	4,439.64	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,975.38	4,493.85	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,199.60	4,549.90	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,448.81	4,612.20	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,713.81	4,678.45	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	19,011.60	4,752.90	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,349.28	4,837.32	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	19,860.32	4,965.08	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	20,686.36	5,171.59	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	21,830.27	5,457.57	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	94.61	23.65	0.2%	94.61	23.65	0.2%
6:15 PM	23,170.89	5,792.72	52.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	435.11	108.78	1.0%	435.11	108.78	1.0%
6:30 PM	24,711.19	6,177.80	55.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,129.92	282.48	2.5%	1,129.92	282.48	2.5%
6:45 PM	26,534.24	6,633.56	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,409.12	602.28	5.4%	2,409.12	602.28	5.4%
7:00 PM	28,488.43	7,122.11	64.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,589.07	1147.27	10.3%	4,589.07	1147.27	10.3%
7:15 PM	30,499.56	9,149.87	68.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,628.69	2288.61	17.2%	7,628.69	2288.61	17.2%
7:36 PM	34,202.17	6,156.39	77.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,985.28	1797.35	22.5%	9,985.28	1797.35	22.5%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	32,144.04	1,928.64	72.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,154.92	309.30	11.6%	5,154.92	309.30	11.6%
7:00 AM	31,128.63	5,914.44	70.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,354.18	1207.29	14.3%	6,354.18	1207.29	14.3%
7:15 AM	29,115.50	7,278.88	65.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,722.58	1680.65	15.2%	6,722.58	1680.65	15.2%
7:30 AM	27,474.35	6,868.59	61.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,831.69	1457.92	13.1%	5,831.69	1457.92	13.1%
7:45 AM	25,998.73	6,499.68	58.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,152.97	788.24	7.1%	3,152.97	788.24	7.1%
8:00 AM	24,656.39	6,164.10	55.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,499.82	374.95	3.4%	1,499.82	374.95	3.4%
8:15 AM	23,568.99	5,892.25	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	600.63	150.16	1.4%	600.63	150.16	1.4%
8:30 AM	22,641.01	5,660.25	51.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	146.55	36.64	0.3%	146.55	36.64	0.3%
8:45 AM	21,830.00	5,457.50	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	21,146.97	5,286.74	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	20,545.70	5,136.43	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,022.47	5,005.62	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,552.53	4,888.13	44.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,142.10	4,785.52	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,767.21	4,691.80	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,440.32	4,610.08	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	18,127.65	4,531.91	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,850.17	4,462.54	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,573.59	4,393.40	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,331.78	4,332.95	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,077.78	4,269.45	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,863.20	4,215.80	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,676.22	4,169.06	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,669.01	4,167.25	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.92	4,166.98	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.49	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.20	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.03	4,166.76	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.90	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,665.25	4,166.31	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,608.42	4,152.11	37.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,832.60	4,208.15	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,986.51	4,246.63	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,167.05	4,291.76	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,338.51	4,334.63	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,532.92	4,383.23	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,726.76	4,431.69	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,943.08	4,485.77	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,166.31	4,541.58	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,414.26	4,603.56	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,677.97	4,669.49	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	18,973.80	4,743.45	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,316.84	4,829.21	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	19,886.31	4,971.58	44.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	20,748.81	5,187.20	46.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	21,919.80	5,479.95	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	85.43	21.36	0.2%	85.43	21.36	0.2%
6:15 PM	23,283.81	5,820.95	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	421.37	105.34	1.0%	421.37	105.34	1.0%
6:30 PM	24,840.58	6,210.14	56.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,120.44	280.11	2.5%	1,120.44	280.11	2.5%
6:45 PM	26,691.76	6,672.94	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,434.75	608.69	5.5%	2,434.75	608.69	5.5%
7:00 PM	28,694.48	7,173.62	64.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,577.67	1144.42	10.3%	4,577.67	1144.42	10.3%
7:15 PM	30,776.49	9,232.95	69.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,447.15	2234.14	16.8%	7,447.15	2234.14	16.8%
7:36 PM	34,428.43	6,197.12	77.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,759.04	1756.63	22.0%	9,759.04	1756.63	22.0%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	32,051.36	961.54	72.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,930.69	177.92	13.4%	5,930.69	177.92	13.4%
7:00 AM	31,483.63	4,722.54	71.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,543.01	981.45	14.8%	6,543.01	981.45	14.8%
7:15 AM	29,424.91	7,356.23	66.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,549.22	1887.31	17.0%	7,549.22	1887.31	17.0%
7:30 AM	27,673.44	6,918.36	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,026.28	1756.57	15.8%	7,026.28	1756.57	15.8%
7:45 AM	26,178.77	6,544.69	59.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,032.33	1008.08	9.1%	4,032.33	1008.08	9.1%
8:00 AM	24,793.27	6,198.32	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,998.65	499.66	4.5%	1,998.65	499.66	4.5%
8:15 AM	23,664.71	5,916.18	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	876.55	219.14	2.0%	876.55	219.14	2.0%
8:30 AM	22,730.72	5,682.68	51.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	287.42	71.86	0.6%	287.42	71.86	0.6%
8:45 AM	21,893.47	5,473.37	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	30.41	7.60	0.1%	30.41	7.60	0.1%
9:00 AM	21,189.90	5,297.48	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	20,575.19	5,143.80	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,041.37	5,010.34	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,562.56	4,890.64	44.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,145.32	4,786.33	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,764.67	4,691.17	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,433.54	4,608.39	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	18,117.22	4,529.30	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,836.75	4,459.19	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,557.37	4,389.34	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,313.31	4,328.33	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,057.31	4,264.33	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,840.60	4,210.15	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,673.90	4,168.47	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,668.90	4,167.23	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.89	4,166.97	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.49	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.20	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.06	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.92	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.83	4,166.71	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,626.77	4,156.69	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,792.33	4,198.08	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,947.60	4,236.90	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,128.77	4,282.19	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,300.26	4,325.07	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,495.17	4,373.79	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,688.78	4,422.20	39.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,905.23	4,476.31	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,127.99	4,532.00	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,375.75	4,593.94	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,638.55	4,659.64	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	18,933.61	4,733.40	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,321.90	4,830.48	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	19,992.37	4,998.09	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	20,944.40	5,236.10	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	22,171.11	5,542.78	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	84.15	21.04	0.2%	84.15	21.04	0.2%
6:15 PM	23,583.03	5,895.76	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	434.38	108.60	1.0%	434.38	108.60	1.0%
6:30 PM	25,189.35	6,297.34	56.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,171.65	292.91	2.6%	1,171.65	292.91	2.6%
6:45 PM	27,117.91	6,779.48	61.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,592.72	648.18	5.8%	2,592.72	648.18	5.8%
7:00 PM	29,202.59	7,300.65	65.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,723.28	1180.82	10.6%	4,723.28	1180.82	10.6%
7:15 PM	31,430.35	8,800.50	70.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,357.73	2060.16	16.6%	7,357.73	2060.16	16.6%
7:33 PM	34,810.72	5,221.61	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,376.76	1406.51	21.1%	9,376.76	1406.51	21.1%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	31,874.57	4,143.69	71.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,061.25	917.96	15.9%	7,061.25	917.96	15.9%
7:16 AM	29,610.70	7,106.57	66.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,733.28	2095.99	19.7%	8,733.28	2095.99	19.7%
7:30 AM	27,884.67	6,692.32	62.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,335.98	2000.63	18.8%	8,335.98	2000.63	18.8%
7:45 AM	26,351.33	6,587.83	59.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,279.24	1319.81	11.9%	5,279.24	1319.81	11.9%
8:00 AM	24,923.53	6,230.88	56.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,709.80	677.45	6.1%	2,709.80	677.45	6.1%
8:15 AM	23,745.49	5,936.37	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,268.79	317.20	2.9%	1,268.79	317.20	2.9%
8:30 AM	22,779.30	5,694.82	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	492.15	123.04	1.1%	492.15	123.04	1.1%
8:45 AM	21,945.15	5,486.29	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	117.67	29.42	0.3%	117.67	29.42	0.3%
9:00 AM	21,214.78	5,303.70	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	20,584.74	5,146.18	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,039.42	5,009.86	45.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,551.58	4,887.90	44.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,127.45	4,781.86	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,741.44	4,685.36	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,406.18	4,601.55	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	18,085.83	4,521.46	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,802.32	4,450.58	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,519.70	4,379.93	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,273.34	4,318.34	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,014.92	4,253.73	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,796.89	4,199.22	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,671.44	4,167.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,668.72	4,167.18	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.88	4,166.97	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.49	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.24	4,166.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.06	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.93	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.83	4,166.71	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,650.56	4,162.64	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,734.74	4,183.69	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,903.16	4,225.79	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,085.52	4,271.38	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,257.67	4,314.42	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,453.50	4,363.38	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,647.59	4,411.90	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,864.88	4,466.22	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,088.02	4,522.01	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,336.41	4,584.10	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,599.55	4,649.89	41.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	18,913.81	4,728.45	42.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,434.77	4,858.69	43.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	20,240.19	5,060.05	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	21,311.44	5,327.86	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	22,617.77	5,654.44	51.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	93.88	23.47	0.2%	93.88	23.47	0.2%
6:15 PM	24,105.31	6,026.33	54.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	484.72	121.18	1.1%	484.72	121.18	1.1%
6:30 PM	25,810.21	6,452.55	58.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,313.84	328.46	3.0%	1,313.84	328.46	3.0%
6:45 PM	27,871.87	6,967.97	62.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,917.53	729.38	6.6%	2,917.53	729.38	6.6%
7:00 PM	30,052.77	7,513.19	67.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,988.75	1247.19	11.2%	4,988.75	1247.19	11.2%
7:15 PM	32,462.00	8,115.50	73.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,239.42	1809.85	16.3%	7,239.42	1809.85	16.3%
7:30 PM	35,383.46	4,599.85	79.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,804.01	1144.52	19.9%	8,804.01	1144.52	19.9%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	31,552.48	1,893.15	71.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,641.19	518.47	19.5%	8,641.19	518.47	19.5%
7:15 AM	30,243.22	5,746.21	68.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,043.22	1908.21	22.6%	10,043.22	1908.21	22.6%
7:30 AM	28,137.85	7,034.46	63.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,972.09	2493.02	22.5%	9,972.09	2493.02	22.5%
7:45 AM	26,524.30	6,631.07	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,011.31	1752.83	15.8%	7,011.31	1752.83	15.8%
8:00 AM	25,060.97	6,265.24	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,697.51	924.38	8.3%	3,697.51	924.38	8.3%
8:15 AM	23,819.23	5,954.81	53.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,808.34	452.09	4.1%	1,808.34	452.09	4.1%
8:30 AM	22,814.80	5,703.70	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	775.28	193.82	1.7%	775.28	193.82	1.7%
8:45 AM	21,962.52	5,490.63	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	241.24	60.31	0.5%	241.24	60.31	0.5%
9:00 AM	21,229.69	5,307.42	47.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	23.10	5.78	0.1%	23.10	5.78	0.1%
9:15 AM	20,577.73	5,144.43	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	20,020.01	5,005.00	45.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,522.21	4,880.55	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,091.30	4,772.82	43.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,699.42	4,674.86	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,360.37	4,590.09	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	18,035.91	4,508.98	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,749.11	4,437.28	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,463.13	4,365.78	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,213.84	4,303.46	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,953.06	4,238.27	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,736.65	4,184.16	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,670.13	4,167.53	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,668.52	4,167.13	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.81	4,166.95	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.47	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.23	4,166.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.09	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.98	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.86	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,665.63	4,166.41	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,655.66	4,163.91	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,852.63	4,213.16	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,036.53	4,259.13	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,209.83	4,302.46	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,407.03	4,351.76	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,602.23	4,400.56	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,820.87	4,455.22	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,045.06	4,511.26	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,294.88	4,573.72	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,568.73	4,642.18	41.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	18,983.35	4,745.84	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	19,696.31	4,924.08	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	20,670.61	5,167.65	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	21,865.90	5,466.48	49.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	23,274.15	5,818.54	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	116.60	29.15	0.3%	116.60	29.15	0.3%
6:15 PM	24,880.12	6,220.03	56.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	578.60	144.65	1.3%	578.60	144.65	1.3%
6:30 PM	26,698.11	6,674.53	60.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,542.77	385.69	3.5%	1,542.77	385.69	3.5%
6:45 PM	28,949.29	7,237.32	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,342.32	835.58	7.5%	3,342.32	835.58	7.5%
7:00 PM	31,278.82	7,819.70	70.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,286.39	1321.60	11.9%	5,286.39	1321.60	11.9%
7:15 PM	33,889.19	7,116.73	76.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,035.64	1477.48	15.9%	7,035.64	1477.48	15.9%
7:25 PM	36,104.55	3,249.41	81.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,082.90	727.46	18.2%	8,082.90	727.46	18.2%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	31,056.32	621.13	70.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,921.14	218.42	24.6%	10,921.14	218.42	24.6%
7:15 AM	30,613.79	4,592.07	69.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,408.90	1711.33	25.7%	11,408.90	1711.33	25.7%
7:30 AM	28,422.62	7,105.65	64.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,499.03	2874.76	25.9%	11,499.03	2874.76	25.9%
7:45 AM	26,673.11	6,668.28	60.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,045.51	2261.38	20.4%	9,045.51	2261.38	20.4%
8:00 AM	25,178.46	6,294.61	56.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,985.16	1246.29	11.2%	4,985.16	1246.29	11.2%
8:15 AM	23,868.28	5,967.07	53.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,499.69	624.92	5.6%	2,499.69	624.92	5.6%
8:30 AM	22,821.39	5,705.35	51.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,133.40	283.35	2.6%	1,133.40	283.35	2.6%
8:45 AM	21,940.51	5,485.13	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	396.98	99.24	0.9%	396.98	99.24	0.9%
9:00 AM	21,204.35	5,301.09	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	55.17	13.79	0.1%	55.17	13.79	0.1%
9:15 AM	20,546.57	5,136.64	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,973.42	4,993.36	45.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,466.40	4,866.60	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	19,029.44	4,757.36	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,633.15	4,658.29	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,290.28	4,572.57	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	17,961.38	4,490.35	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,671.75	4,417.94	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,382.88	4,345.72	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,131.18	4,282.80	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,867.75	4,216.94	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,680.10	4,170.02	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,669.40	4,167.35	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,668.29	4,167.07	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.76	4,166.94	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.44	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.24	4,166.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.07	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.96	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.86	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.79	4,166.70	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,618.24	4,154.56	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,799.29	4,199.82	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,984.97	4,246.24	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,160.25	4,290.06	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,359.64	4,339.91	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,556.56	4,389.14	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,777.54	4,444.39	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,003.32	4,500.83	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,260.63	4,565.16	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,623.66	4,655.91	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	19,266.92	4,816.73	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	20,205.47	5,051.37	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	21,323.15	5,330.79	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	22,649.42	5,662.36	51.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3.51	0.88	0.0%	3.51	0.88	0.0%
6:00 PM	24,209.13	6,052.28	54.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	165.41	41.35	0.4%	165.41	41.35	0.4%
6:15 PM	25,959.15	6,489.79	58.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	730.54	182.64	1.6%	730.54	182.64	1.6%
6:30 PM	27,954.39	6,988.60	63.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,838.45	459.61	4.1%	1,838.45	459.61	4.1%
6:45 PM	30,419.31	7,604.83	68.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,487.78	871.94	7.9%	3,487.78	871.94	7.9%
7:00 PM	33,010.28	8,252.57	74.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,533.36	1383.34	12.5%	5,533.36	1383.34	12.5%
7:15 PM	38,612.58	5,791.89	87.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,988.90	598.33	9.0%	3,988.90	598.33	9.0%
7:18 PM	42,899.71	1,286.99	96.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,047.59	31.43	2.4%	1,047.59	31.43	2.4%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	30,451.83	2,740.67	68.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,550.93	1129.58	28.3%	12,550.93	1129.58	28.3%
7:30 AM	28,788.92	6,045.67	64.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,788.54	2685.59	28.8%	12,788.54	2685.59	28.8%
7:45 AM	26,806.76	6,701.69	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,137.00	2784.25	25.1%	11,137.00	2784.25	25.1%
8:00 AM	25,278.44	6,319.61	57.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,450.60	1612.65	14.5%	6,450.60	1612.65	14.5%
8:15 AM	23,900.97	5,975.24	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,374.36	843.59	7.6%	3,374.36	843.59	7.6%
8:30 AM	22,806.03	5,701.51	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,578.58	394.65	3.6%	1,578.58	394.65	3.6%
8:45 AM	21,895.76	5,473.94	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	585.08	146.27	1.3%	585.08	146.27	1.3%
9:00 AM	21,138.83	5,284.71	47.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	90.50	22.63	0.2%	90.50	22.63	0.2%
9:15 AM	20,484.94	5,121.24	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,905.03	4,976.26	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,387.94	4,846.98	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,945.47	4,736.37	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,545.46	4,636.36	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,198.85	4,549.71	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	17,866.24	4,466.56	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,573.94	4,393.48	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,281.92	4,320.48	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,027.58	4,256.90	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,763.93	4,190.98	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,671.46	4,167.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,668.85	4,167.21	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,668.10	4,167.02	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.69	4,166.92	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.44	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.20	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.10	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.99	4,166.75	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.92	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.82	4,166.70	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,649.22	4,162.31	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,729.47	4,182.37	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,930.17	4,232.54	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,108.09	4,277.02	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,310.03	4,327.51	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,509.20	4,377.30	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,732.92	4,433.23	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	17,966.88	4,491.72	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,310.93	4,577.73	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	18,928.57	4,732.14	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	19,830.14	4,957.53	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	20,942.93	5,235.73	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	22,198.49	5,549.62	50.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	23,710.96	5,927.74	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7.83	1.96	0.0%	7.83	1.96	0.0%
6:00 PM	25,448.90	6,362.22	57.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	245.28	61.32	0.6%	245.28	61.32	0.6%
6:15 PM	27,346.44	6,836.61	61.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	845.38	211.34	1.9%	845.38	211.34	1.9%
6:30 PM	29,701.25	7,425.31	67.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,065.22	516.31	4.7%	2,065.22	516.31	4.7%
6:45 PM	32,343.41	10,996.76	72.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,410.51	1159.57	7.7%	3,410.51	1159.57	7.7%
7:10 PM	41,695.01	8,755.95	94.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,438.36	302.06	3.2%	1,438.36	302.06	3.2%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	29,888.69	1,195.55	67.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,505.99	540.24	30.5%	13,505.99	540.24	30.5%
7:30 AM	29,182.33	4,961.00	65.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,704.70	2329.80	30.9%	13,704.70	2329.80	30.9%
7:45 AM	26,968.28	6,742.07	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,023.40	3255.85	29.4%	13,023.40	3255.85	29.4%
8:00 AM	25,287.20	6,321.80	57.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,491.19	1872.80	16.9%	7,491.19	1872.80	16.9%
8:15 AM	23,921.62	5,980.40	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,388.90	1097.23	9.9%	4,388.90	1097.23	9.9%
8:30 AM	22,776.78	5,694.19	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,126.24	531.56	4.8%	2,126.24	531.56	4.8%
8:45 AM	21,832.63	5,458.16	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	805.58	201.39	1.8%	805.58	201.39	1.8%
9:00 AM	21,053.78	5,263.45	47.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	123.15	30.79	0.3%	123.15	30.79	0.3%
9:15 AM	20,385.35	5,096.34	46.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,814.17	4,953.54	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,290.11	4,822.53	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,842.43	4,710.61	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,439.24	4,609.81	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	18,088.87	4,522.22	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	17,752.55	4,438.14	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,457.52	4,364.38	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,162.35	4,290.59	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,905.58	4,226.39	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,677.68	4,169.42	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,669.92	4,167.48	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,668.53	4,167.13	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,668.00	4,167.00	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.61	4,166.90	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.38	4,166.85	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.18	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.07	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.97	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.90	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.83	4,166.71	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,666.51	4,166.63	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,637.13	4,159.28	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,871.35	4,217.84	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,052.29	4,263.07	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,257.05	4,314.26	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,458.99	4,364.75	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,692.66	4,423.16	39.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,029.92	4,507.48	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	18,635.24	4,658.81	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	19,537.70	4,884.43	44.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	20,638.26	5,159.57	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	21,899.88	5,474.97	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	23,352.56	5,838.14	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	25,086.41	6,271.60	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12.86	3.22	0.0%	12.86	3.22	0.0%
6:00 PM	26,985.60	6,746.40	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	258.40	64.60	0.6%	258.40	64.60	0.6%
6:15 PM	29,154.95	7,288.74	65.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	843.76	210.94	1.9%	843.76	210.94	1.9%
6:30 PM	31,948.13	7,987.03	72.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,019.85	504.96	4.6%	2,019.85	504.96	4.6%
6:45 PM	34,820.56	9,401.55	78.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,940.03	793.81	6.6%	2,940.03	793.81	6.6%
7:02 PM	38,978.99	5,457.06	87.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,101.90	434.27	7.0%	3,101.90	434.27	7.0%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	29,238.95	3,216.28	65.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,115.44	1552.70	31.8%	14,115.44	1552.70	31.8%
7:45 AM	27,154.26	6,245.48	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,131.99	3250.36	31.9%	14,131.99	3250.36	31.9%
8:00 AM	25,256.25	6,314.06	56.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,570.28	2142.57	19.3%	8,570.28	2142.57	19.3%
8:15 AM	23,812.81	5,953.20	53.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,680.03	1170.01	10.6%	4,680.03	1170.01	10.6%
8:30 AM	22,705.24	5,676.31	51.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,733.37	683.34	6.2%	2,733.37	683.34	6.2%
8:45 AM	21,732.72	5,433.18	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,028.47	257.12	2.3%	1,028.47	257.12	2.3%
9:00 AM	20,933.64	5,233.41	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	130.43	32.61	0.3%	130.43	32.61	0.3%
9:15 AM	20,252.19	5,063.05	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,673.69	4,918.42	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	19,161.47	4,790.37	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,711.58	4,677.90	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,306.17	4,576.54	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	17,953.08	4,488.27	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	17,613.74	4,403.43	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,316.76	4,329.19	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	17,018.99	4,254.75	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,760.76	4,190.19	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,671.27	4,167.82	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,669.16	4,167.29	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,668.25	4,167.06	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.86	4,166.97	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.54	4,166.89	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.41	4,166.85	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.19	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.08	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.97	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.90	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.84	4,166.71	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,666.78	4,166.70	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,631.94	4,157.98	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,812.94	4,203.23	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	16,997.32	4,249.33	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,205.44	4,301.36	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,424.03	4,356.01	39.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	17,784.09	4,446.02	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	18,426.51	4,606.63	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	19,314.98	4,828.74	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	20,439.33	5,109.83	46.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	21,703.87	5,425.97	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	23,181.74	5,795.44	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	24,870.88	6,217.72	56.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	26,822.49	6,705.62	60.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	28,948.31	7,237.08	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	132.90	33.23	0.3%	132.90	33.23	0.3%
6:15 PM	31,595.51	7,898.88	71.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	793.99	198.50	1.8%	793.99	198.50	1.8%
6:30 PM	34,670.15	8,667.54	78.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,514.33	378.58	3.4%	1,514.33	378.58	3.4%
6:45 PM	37,949.55	7,210.41	85.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,801.69	342.32	4.1%	1,801.69	342.32	4.1%
6:52 PM	39,656.83	2,379.41	89.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,844.58	110.67	4.2%	1,844.58	110.67	4.2%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	28,509.13	1,710.55	64.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,748.73	884.92	33.3%	14,748.73	884.92	33.3%
7:45 AM	27,326.18	5,191.97	61.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,047.19	2858.97	33.9%	15,047.19	2858.97	33.9%
8:00 AM	25,244.01	6,311.00	56.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,979.11	2494.78	22.5%	9,979.11	2494.78	22.5%
8:15 AM	23,688.31	5,922.08	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,954.03	1238.51	11.2%	4,954.03	1238.51	11.2%
8:30 AM	22,537.16	5,634.29	50.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,816.41	704.10	6.4%	2,816.41	704.10	6.4%
8:45 AM	21,616.22	5,404.06	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,263.42	315.85	2.8%	1,263.42	315.85	2.8%
9:00 AM	20,795.95	5,198.99	46.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	106.14	26.53	0.2%	106.14	26.53	0.2%
9:15 AM	20,100.15	5,025.04	45.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,514.87	4,878.72	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,999.36	4,749.84	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,564.36	4,641.09	41.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	18,155.89	4,538.97	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	17,800.37	4,450.09	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	17,458.33	4,364.58	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	17,158.92	4,289.73	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,858.82	4,214.70	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,673.92	4,168.48	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,669.77	4,167.44	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,668.64	4,167.16	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,668.06	4,167.02	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.72	4,166.93	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.48	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.31	4,166.83	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.19	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.08	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.98	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.94	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.85	4,166.71	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,666.79	4,166.70	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,661.14	4,165.28	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,744.86	4,186.22	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	16,939.03	4,234.76	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,169.74	4,292.44	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	17,573.07	4,393.27	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	18,241.50	4,560.38	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	19,189.71	4,797.43	43.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	20,288.79	5,072.20	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	21,596.78	5,399.20	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	23,076.40	5,769.10	52.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	24,793.25	6,198.31	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	26,742.31	6,685.58	60.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	28,946.06	7,236.52	65.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	31,528.35	7,882.09	71.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	34,681.58	8,670.39	78.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	375.95	93.99	0.8%	375.95	93.99	0.8%
6:30 PM	38,374.81	8,826.21	86.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	772.18	177.60	1.7%	772.18	177.60	1.7%
6:42 PM	41,019.74	4,512.17	92.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	819.80	90.18	1.8%	819.80	90.18	1.8%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	27,755.73	3,608.24	62.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,623.12	2031.01	35.2%	15,623.12	2031.01	35.2%
8:00 AM	25,258.42	6,314.61	57.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,610.10	2902.53	26.2%	11,610.10	2902.53	26.2%
8:15 AM	23,562.08	5,890.52	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,275.48	1318.87	11.9%	5,275.48	1318.87	11.9%
8:30 AM	22,355.26	5,588.81	50.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,864.07	716.02	6.5%	2,864.07	716.02	6.5%
8:45 AM	21,411.35	5,352.84	48.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,272.31	318.08	2.9%	1,272.31	318.08	2.9%
9:00 AM	20,640.53	5,160.13	46.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	33.41	8.35	0.1%	33.41	8.35	0.1%
9:15 AM	19,930.56	4,982.64	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,338.63	4,834.66	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,821.21	4,705.30	42.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,388.46	4,597.11	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	17,989.61	4,497.40	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	17,630.94	4,407.74	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	17,286.40	4,321.60	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,984.96	4,246.24	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,693.68	4,173.42	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,670.90	4,167.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,669.06	4,167.27	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,668.31	4,167.08	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,667.89	4,166.97	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.68	4,166.92	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.43	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.28	4,166.82	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.16	4,166.79	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.07	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,667.01	4,166.75	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.92	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.87	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,666.81	4,166.70	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,666.76	4,166.69	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,650.87	4,162.72	37.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	16,916.94	4,229.23	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,374.58	4,343.64	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	18,116.03	4,529.01	40.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	19,073.83	4,768.46	43.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	20,232.30	5,058.07	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	21,523.55	5,380.89	48.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	23,064.34	5,766.09	52.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	24,776.55	6,194.14	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	26,774.22	6,693.55	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	28,996.90	7,249.23	65.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	31,652.62	7,913.15	71.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	34,707.35	8,676.84	78.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	38,735.88	10,458.69	87.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:31 PM	42,714.03	5,979.96	96.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	252.63	35.37	0.6%	252.63	35.37	0.6%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	26,984.93	2,158.79	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,484.84	1318.79	37.2%	16,484.84	1318.79	37.2%
8:00 AM	25,387.17	5,331.31	57.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,613.85	2858.91	30.7%	13,613.85	2858.91	30.7%
8:15 AM	23,420.97	5,855.24	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,659.85	1414.96	12.8%	5,659.85	1414.96	12.8%
8:30 AM	22,160.83	5,540.21	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,901.53	725.38	6.5%	2,901.53	725.38	6.5%
8:45 AM	21,190.26	5,297.57	47.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,207.53	301.88	2.7%	1,207.53	301.88	2.7%
9:00 AM	20,419.45	5,104.86	46.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	19,744.35	4,936.09	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	19,146.12	4,786.53	43.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,628.97	4,657.24	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	18,198.83	4,549.71	41.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	17,798.35	4,449.59	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	17,446.68	4,361.67	39.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	17,098.93	4,274.73	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,795.65	4,198.91	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,672.08	4,168.02	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,669.64	4,167.41	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,668.62	4,167.15	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,668.11	4,167.03	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,667.81	4,166.95	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.57	4,166.89	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.39	4,166.85	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.24	4,166.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.19	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.06	4,166.76	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.99	4,166.75	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.92	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.87	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,666.82	4,166.70	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,667.55	4,166.89	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	16,708.31	4,177.08	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,201.20	4,300.30	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	17,987.85	4,496.96	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	19,022.15	4,755.54	42.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	20,174.38	5,043.59	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	21,552.19	5,388.05	48.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	23,069.90	5,767.48	52.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	24,848.46	6,212.11	56.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	26,829.81	6,707.45	60.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	29,150.82	7,287.70	65.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	31,817.75	7,954.44	71.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	34,896.80	8,724.20	78.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	38,809.22	9,702.30	87.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:15 PM	42,512.05	7,652.17	95.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:21 PM	43,777.21	2,188.86	98.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	26,276.56	525.53	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	17,533.26	350.67	39.5%	17,533.26	350.67	39.5%
8:00 AM	25,743.38	3,861.51	58.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,403.29	2460.49	37.0%	16,403.29	2460.49	37.0%
8:15 AM	23,255.68	5,813.92	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,069.78	1517.45	13.7%	6,069.78	1517.45	13.7%
8:30 AM	21,931.31	5,482.83	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,937.89	734.47	6.6%	2,937.89	734.47	6.6%
8:45 AM	20,945.24	5,236.31	47.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,128.47	282.12	2.5%	1,128.47	282.12	2.5%
9:00 AM	20,177.56	5,044.39	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	19,514.50	4,878.63	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	18,941.64	4,735.41	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,426.67	4,606.67	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,997.61	4,499.40	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	17,596.03	4,399.01	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	17,243.60	4,310.90	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,898.63	4,224.66	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,675.59	4,168.90	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,670.24	4,167.56	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,668.99	4,167.25	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,668.32	4,167.08	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,667.96	4,166.99	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,667.70	4,166.93	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.51	4,166.88	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.36	4,166.84	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.24	4,166.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.14	4,166.78	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.06	4,166.76	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.97	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.94	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,666.88	4,166.72	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,675.34	4,168.84	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	16,799.22	4,199.80	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	17,157.85	4,289.46	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	17,913.22	4,478.31	40.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	18,957.58	4,739.40	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	20,192.11	5,048.03	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	21,558.81	5,389.70	48.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	23,170.33	5,792.58	52.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	24,906.17	6,226.54	56.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	26,957.03	6,739.26	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	29,272.74	7,318.19	66.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	32,044.32	8,011.08	72.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	35,134.56	8,783.64	79.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	38,607.89	9,651.97	87.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	42,263.88	8,875.41	95.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:09 PM	44,105.85	3,528.47	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	25,620.85	2,562.08	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,509.02	1650.90	37.2%	16,509.02	1650.90	37.2%
8:15 AM	23,541.74	5,179.18	53.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,158.09	1574.78	16.1%	7,158.09	1574.78	16.1%
8:30 AM	21,665.14	5,416.28	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,976.55	744.14	6.7%	2,976.55	744.14	6.7%
8:45 AM	20,661.85	5,165.46	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,036.19	259.05	2.3%	1,036.19	259.05	2.3%
9:00 AM	19,901.64	4,975.41	44.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	19,261.97	4,815.49	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	18,712.58	4,678.15	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	18,217.19	4,554.30	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,787.10	4,446.78	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	17,384.35	4,346.09	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	17,031.15	4,257.79	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,696.43	4,174.11	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,671.23	4,167.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,669.42	4,167.35	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,668.61	4,167.15	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,668.14	4,167.03	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,667.84	4,166.96	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,667.64	4,166.91	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.46	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.33	4,166.83	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.20	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.14	4,166.78	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.07	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.97	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,666.93	4,166.73	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,686.60	4,171.65	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,850.71	4,212.68	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	17,316.06	4,329.01	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	18,013.20	4,503.30	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	18,922.89	4,730.72	42.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	20,172.99	5,043.25	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	21,632.38	5,408.10	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	23,216.30	5,804.07	52.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	25,050.86	6,262.72	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	27,044.08	6,761.02	61.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	29,441.80	7,360.45	66.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	32,200.49	8,050.12	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	35,375.80	8,843.95	79.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	38,539.10	9,634.78	86.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	41,816.99	9,617.91	94.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:58 PM	44,070.42	4,847.75	99.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	25,220.40	1,008.82	56.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,944.19	517.77	29.2%	12,944.19	517.77	29.2%
8:15 AM	24,009.95	4,081.69	54.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,879.51	1509.52	20.0%	8,879.51	1509.52	20.0%
8:30 AM	21,686.81	5,421.70	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,081.52	770.38	6.9%	3,081.52	770.38	6.9%
8:45 AM	20,351.17	5,087.79	45.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	956.35	239.09	2.2%	956.35	239.09	2.2%
9:00 AM	19,604.20	4,901.05	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	19,001.51	4,750.38	42.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	18,469.70	4,617.43	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,999.47	4,499.87	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,574.50	4,393.63	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	17,170.17	4,292.54	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,816.13	4,204.03	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,672.47	4,168.12	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,669.97	4,167.49	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,668.92	4,167.23	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,668.39	4,167.10	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,668.02	4,167.01	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,667.78	4,166.95	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,667.63	4,166.91	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.45	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.33	4,166.83	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.22	4,166.80	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.13	4,166.78	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.06	4,166.77	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,666.97	4,166.74	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,686.39	4,171.60	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	16,917.63	4,229.41	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	17,414.63	4,353.66	39.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	18,217.44	4,554.36	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	19,131.83	4,782.96	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	20,254.88	5,063.72	45.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	21,625.65	5,406.41	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	23,296.67	5,824.17	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	25,083.72	6,270.93	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	27,174.28	6,793.57	61.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	29,497.35	7,374.34	66.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	32,334.96	8,083.74	72.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	35,457.74	8,864.43	79.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	38,689.36	9,672.34	87.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	41,040.12	11,080.83	92.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:47 PM	44,006.38	6,160.89	99.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	24,877.78	2,985.33	56.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,603.30	1152.40	21.7%	9,603.30	1152.40	21.7%
8:30 AM	22,084.53	5,300.29	49.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,541.34	849.92	8.0%	3,541.34	849.92	8.0%
8:45 AM	20,091.10	5,022.77	45.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	826.05	206.51	1.9%	826.05	206.51	1.9%
9:00 AM	19,341.41	4,835.35	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	18,746.60	4,686.65	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	18,236.27	4,559.07	41.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,770.85	4,442.71	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,360.52	4,340.13	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,956.26	4,239.07	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,680.79	4,170.20	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,670.74	4,167.68	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,669.36	4,167.34	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,668.63	4,167.16	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,668.15	4,167.04	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,667.90	4,166.97	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,667.69	4,166.92	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,667.54	4,166.89	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.41	4,166.85	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.28	4,166.82	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.17	4,166.79	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.13	4,166.78	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,667.06	4,166.76	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	16,692.65	4,173.16	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	16,944.03	4,236.01	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	17,536.51	4,384.13	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	18,316.24	4,579.06	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	19,320.56	4,830.14	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	20,426.28	5,106.57	46.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	21,786.12	5,446.53	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	23,258.63	5,814.66	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,132.91	6,283.23	56.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	27,152.11	6,788.03	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	29,569.15	7,392.29	66.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	32,285.73	8,071.43	72.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	35,443.97	8,860.99	79.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	38,641.76	9,660.44	87.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	40,781.58	10,195.39	92.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	43,173.77	8,203.02	97.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:37 PM	43,883.25	2,633.00	98.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	25,041.20	1,502.47	56.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,433.34	386.00	14.5%	6,433.34	386.00	14.5%
8:30 AM	22,982.26	4,136.81	51.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,826.85	688.83	8.6%	3,826.85	688.83	8.6%
8:45 AM	20,507.28	5,126.82	46.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	988.66	247.16	2.2%	988.66	247.16	2.2%
9:00 AM	19,106.92	4,776.73	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	18,519.21	4,629.80	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	18,015.96	4,503.99	40.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,551.31	4,387.83	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,141.64	4,285.41	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,744.86	4,186.22	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,671.99	4,168.00	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,669.85	4,167.46	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,668.99	4,167.25	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,668.44	4,167.11	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,668.10	4,167.03	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,667.83	4,166.96	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,667.65	4,166.91	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,667.49	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	16,667.38	4,166.85	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	16,667.26	4,166.82	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	16,667.17	4,166.79	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	16,667.14	4,166.78	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	16,703.08	4,175.77	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	17,000.40	4,250.10	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	17,578.67	4,394.67	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	18,436.17	4,609.04	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	19,379.31	4,844.83	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	20,580.56	5,145.14	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	21,887.95	5,471.99	49.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	23,417.29	5,854.32	52.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	25,013.73	6,253.43	56.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	27,136.80	6,784.20	61.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	29,431.56	7,357.89	66.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	32,222.09	8,055.52	72.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	35,196.53	8,799.13	79.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	38,390.10	9,597.52	86.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	40,394.42	10,098.61	91.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	42,287.61	9,303.27	95.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:27 PM	43,668.63	4,366.86	98.5%	518.83	51.88	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	518.83	51.88	1.2%	518.83	51.88	1.2%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	25,591.03	3,326.83	57.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,851.86	500.74	8.7%	3,851.86	500.74	8.7%
7:45 AM	21,484.21	5,371.05	48.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,241.54	310.39	2.8%	1,241.54	310.39	2.8%
8:00 AM	19,313.75	4,828.44	43.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	18,318.57	4,579.64	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	17,813.85	4,453.46	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,348.14	4,337.03	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	16,941.62	4,235.40	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	16,679.48	4,169.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	16,670.76	4,167.69	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,669.39	4,167.35	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,668.73	4,167.18	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,668.26	4,167.06	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,668.01	4,167.00	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.77	4,166.94	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.63	4,166.91	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,667.47	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,667.36	4,166.84	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,667.26	4,166.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,667.16	4,166.79	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	16,726.97	4,181.74	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	17,023.49	4,255.87	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	17,654.65	4,413.66	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	18,436.05	4,609.01	41.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	19,450.46	4,862.61	43.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	20,558.90	5,139.72	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	21,937.76	5,484.44	49.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	23,379.58	5,844.90	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	25,103.78	6,275.95	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	26,945.41	6,736.35	60.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	29,247.76	7,311.94	65.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	31,855.99	7,964.00	71.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	34,879.80	8,719.95	78.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	37,830.00	9,457.50	85.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	40,055.87	10,013.97	90.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	41,764.08	10,441.02	94.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	42,941.03	6,441.16	96.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:18 PM	43,109.73	1,293.29	97.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	26,667.44	1,866.72	60.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,557.67	179.04	5.8%	2,557.67	179.04	5.8%
7:45 AM	23,717.10	4,506.25	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,307.47	248.42	2.9%	1,307.47	248.42	2.9%
8:00 AM	19,828.65	4,957.16	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	18,313.06	4,578.26	41.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	17,633.41	4,408.35	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,165.56	4,291.39	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	16,801.77	4,200.44	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	16,717.01	4,179.25	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	16,670.07	4,167.52	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,669.10	4,167.28	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,668.54	4,167.14	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,668.16	4,167.04	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,667.92	4,166.98	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.76	4,166.94	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.59	4,166.90	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,667.48	4,166.87	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,667.37	4,166.84	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,667.25	4,166.81	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	16,727.23	4,181.81	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	17,072.60	4,268.15	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	17,651.13	4,412.78	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	18,481.17	4,620.29	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	19,375.69	4,843.92	43.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	20,540.28	5,135.07	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	21,781.19	5,445.30	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	23,267.82	5,816.95	52.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	24,847.21	6,211.80	56.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	26,797.17	6,699.29	60.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	28,851.92	7,212.98	65.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	31,418.24	7,854.56	70.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	34,266.69	8,566.67	77.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	37,128.99	9,282.25	83.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	39,493.93	9,873.48	89.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	41,531.75	10,382.94	93.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	43,014.26	9,032.99	97.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:10 PM	43,018.24	3,871.64	97.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	28,276.34	282.76	63.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,601.31	16.01	3.6%	1,601.31	16.01	3.6%
7:45 AM	27,744.31	3,606.76	62.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,457.02	189.41	3.3%	1,457.02	189.41	3.3%
8:00 AM	21,664.86	5,416.22	48.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	18,752.78	4,688.19	42.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	17,482.60	4,370.65	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,047.33	4,261.83	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	16,827.75	4,206.94	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	16,807.89	4,201.97	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	16,728.85	4,182.21	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,668.90	4,167.23	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,668.45	4,167.11	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,668.11	4,167.03	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,667.88	4,166.97	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.71	4,166.93	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.63	4,166.91	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,667.44	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,667.35	4,166.84	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,728.91	4,182.23	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	17,024.20	4,256.05	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	17,648.73	4,412.18	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	18,384.58	4,596.14	41.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	19,343.39	4,835.85	43.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	20,351.44	5,087.86	45.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	21,616.90	5,404.23	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	22,917.16	5,729.29	51.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	24,510.88	6,127.72	55.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	26,234.07	6,558.52	59.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	28,373.09	7,093.27	64.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	30,707.83	7,676.96	69.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	33,560.11	8,390.03	75.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	36,151.11	9,037.78	81.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	38,778.15	9,694.54	87.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	40,867.89	10,216.97	92.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	42,877.06	10,719.27	96.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	43,240.22	6,486.03	97.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:03 PM	43,199.17	1,295.98	97.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	29,811.31	2,384.91	67.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	451.95	36.16	1.0%	451.95	36.16	1.0%
8:00 AM	25,081.09	5,016.22	56.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	19,635.06	4,908.76	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	17,805.24	4,451.31	40.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,016.97	4,254.24	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	16,944.59	4,236.15	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	16,950.14	4,237.53	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	16,857.58	4,214.39	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,731.91	4,182.98	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,668.39	4,167.10	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,668.08	4,167.02	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,667.89	4,166.97	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.72	4,166.93	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.56	4,166.89	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,667.44	4,166.86	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,693.79	4,173.45	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	16,976.83	4,244.21	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	17,496.23	4,374.06	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	18,266.45	4,566.61	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	19,101.42	4,775.36	43.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	20,172.40	5,043.10	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	21,276.34	5,319.09	48.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	22,585.26	5,646.31	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	23,930.50	5,982.63	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	25,625.78	6,406.44	57.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	27,460.81	6,865.20	61.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	29,785.99	7,446.50	67.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	32,395.17	8,098.79	73.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	35,194.53	8,798.63	79.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	37,790.80	9,447.70	85.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	39,897.57	9,974.39	90.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	41,930.17	10,482.54	94.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	43,498.40	10,004.63	98.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:57 PM	43,356.51	4,769.22	97.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	30,619.13	612.38	69.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	29,536.58	4,430.49	66.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	22,165.06	5,541.27	50.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	18,270.39	4,567.60	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,249.48	4,312.37	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	17,101.67	4,275.42	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	17,122.13	4,280.53	38.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	17,021.12	4,255.28	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	16,884.03	4,221.01	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,690.32	4,172.58	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,668.06	4,167.02	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,667.85	4,166.96	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.69	4,166.92	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.57	4,166.89	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,668.81	4,167.20	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	16,860.67	4,215.17	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,334.17	4,333.54	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	17,967.87	4,491.97	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	18,837.62	4,709.40	42.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	19,742.39	4,935.60	44.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	20,887.20	5,221.80	47.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	22,026.43	5,506.61	49.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,384.67	5,846.17	52.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	24,784.07	6,196.02	55.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	26,534.71	6,633.68	59.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	28,468.55	7,117.14	64.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	30,946.37	7,736.59	69.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	33,716.53	8,429.13	76.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	36,460.75	9,115.19	82.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	38,806.06	9,701.52	87.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	40,803.35	10,200.84	92.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	42,820.10	10,705.02	96.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	43,578.67	8,715.73	98.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	43,494.36	3,479.55	98.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	31,352.68	2,821.74	70.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	25,492.51	5,353.43	57.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	19,507.40	4,876.85	44.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,759.17	4,439.79	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	17,270.35	4,317.59	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	17,303.43	4,325.86	39.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	17,202.60	4,300.65	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,049.02	4,262.26	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,824.18	4,206.05	37.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,680.48	4,170.12	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,667.85	4,166.96	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.70	4,166.93	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.62	4,166.90	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,738.48	4,184.62	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,039.47	4,259.87	38.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,605.38	4,401.35	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	18,253.66	4,563.41	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	19,235.01	4,808.75	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	20,242.76	5,060.69	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	21,422.74	5,355.69	48.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	22,573.14	5,643.28	50.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	23,974.20	5,993.55	54.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,424.49	6,356.12	57.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,213.22	6,803.31	61.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	29,201.49	7,300.37	65.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	31,766.92	7,941.73	71.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	34,551.12	8,637.78	77.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	37,299.72	9,324.93	84.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	39,493.49	9,873.37	89.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	41,416.33	10,354.08	93.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	43,423.65	10,855.91	97.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	43,649.42	7,856.89	98.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	43,630.46	2,181.52	98.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	31,835.28	1,273.41	71.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	28,929.36	4,917.99	65.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	21,599.70	5,399.93	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	18,267.47	4,566.87	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	17,661.10	4,415.27	39.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	17,479.22	4,369.81	39.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	17,369.94	4,342.49	39.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,213.97	4,303.49	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	16,963.39	4,240.85	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,785.76	4,196.44	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,675.65	4,168.91	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.72	4,166.93	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.59	4,166.90	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,833.02	4,208.26	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,200.56	4,300.14	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,892.99	4,473.25	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	18,658.87	4,664.72	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	19,601.46	4,900.36	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	20,559.45	5,139.86	46.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	21,742.15	5,435.54	49.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	22,898.55	5,724.64	51.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,322.72	6,080.68	54.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,794.13	6,448.53	58.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,613.44	6,903.36	62.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	29,607.78	7,401.95	66.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	32,202.67	8,050.67	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	34,884.33	8,721.08	78.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	37,620.85	9,405.21	84.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	39,867.50	9,966.88	89.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	41,802.15	10,450.54	94.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	43,691.84	10,922.96	98.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	43,713.39	7,431.28	98.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:51 PM	43,779.88	2,188.99	98.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	31,781.60	3,813.79	71.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	23,929.06	5,982.27	54.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	19,225.52	4,806.38	43.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	18,047.69	4,511.92	40.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	17,602.85	4,400.71	39.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	17,502.24	4,375.56	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,351.06	4,337.76	39.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,090.98	4,272.74	38.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,899.46	4,224.86	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,702.74	4,175.68	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,667.75	4,166.94	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.61	4,166.90	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,867.99	4,217.00	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,262.19	4,315.55	38.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,955.49	4,488.87	40.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	18,706.63	4,676.66	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	19,673.42	4,918.35	44.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	20,654.22	5,163.56	46.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	21,832.78	5,458.20	49.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	22,981.04	5,745.26	51.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,405.09	6,101.27	55.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,869.99	6,467.50	58.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,686.40	6,921.60	62.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	29,657.48	7,414.37	66.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	32,207.78	8,051.95	72.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	34,848.80	8,712.20	78.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	37,541.98	9,385.49	84.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	39,891.92	9,972.98	89.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	41,904.63	10,476.16	94.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	43,693.36	10,923.34	98.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	43,769.74	7,878.55	98.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:52 PM	43,864.08	2,631.84	98.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	31,735.77	2,538.86	71.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	26,091.81	5,479.28	58.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	20,327.58	5,081.89	45.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	18,287.62	4,571.90	41.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	17,744.65	4,436.16	40.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	17,577.64	4,394.41	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	17,436.98	4,359.24	39.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	17,181.05	4,295.26	38.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	16,979.40	4,244.85	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	16,757.88	4,189.47	37.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	16,668.92	4,167.23	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	16,667.67	4,166.92	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	16,837.93	4,209.48	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	17,208.55	4,302.14	38.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	17,884.55	4,471.14	40.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	18,619.06	4,654.77	42.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	19,569.32	4,892.33	44.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	20,534.78	5,133.69	46.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	21,704.41	5,426.10	48.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	22,832.67	5,708.17	51.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	24,230.41	6,057.60	54.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	25,668.67	6,417.17	57.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	27,448.53	6,862.13	61.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	29,366.46	7,341.61	66.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	31,827.58	7,956.90	71.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	34,488.39	8,622.10	77.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	37,154.01	9,288.50	83.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	39,539.68	9,884.92	89.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	41,657.22	10,414.31	93.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	43,421.10	10,855.27	97.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	43,812.85	9,200.70	98.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:54 PM	43,883.31	3,510.66	98.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

EXHIBIT F12: VICTORIA MANALO DRAVES PARK DATA

Quantitative Shadow Calculations

- Existing shadow under current conditions
- Net new shadow from the Hub Plan project
- Net new shadow from the proposed 30 Van Ness Avenue Project
- Net new shadow from the proposed 98 Franklin Street Project
- Net new shadow from Cumulative Shadow Scenario 1
- Net new shadow from Cumulative Shadow Scenario 2

JUNE 21

Analysis Hours: 6:46 AM-7:36 PM (PDT)

SUMMER SOLSTICE

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:46 AM	58,900.21	6,479.02	53.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	41,515.62	9,548.59	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	29,384.07	7,346.02	26.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	20,443.61	5,110.90	18.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	14,039.73	3,509.93	12.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	9,837.17	2,459.29	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,826.43	1,706.61	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,283.33	1,320.83	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,218.85	1,054.71	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,391.31	847.83	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,811.20	702.80	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,538.89	634.72	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,366.24	591.56	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,215.51	553.88	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,077.33	519.33	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,948.91	487.23	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,828.26	457.06	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,716.73	429.18	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,613.54	403.38	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,519.94	379.99	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,434.03	358.51	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,352.19	338.05	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,289.58	322.39	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,244.21	311.05	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,221.78	305.44	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,196.00	299.00	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,200.07	300.02	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,198.46	299.62	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,221.95	305.49	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,243.88	310.97	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,307.42	326.85	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,387.38	346.85	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,473.88	368.47	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,568.05	392.01	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,669.91	417.48	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,777.25	444.31	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,890.24	472.56	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,010.20	502.55	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,141.51	535.38	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,281.25	570.31	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,435.02	608.76	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,604.53	651.13	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	2,793.37	698.34	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,008.29	752.07	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,313.36	828.34	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	25.38	6.35	0.0%	25.38	6.35	0.0%
6:00 PM	3,900.33	975.08	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	821.20	205.30	0.7%	821.20	205.30	0.7%
6:15 PM	4,651.18	1,162.79	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,114.94	528.73	1.9%	2,114.94	528.73	1.9%
6:30 PM	5,723.48	1,430.87	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,913.18	978.29	3.6%	3,913.18	978.29	3.6%
6:45 PM	7,658.13	1,914.53	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,492.41	1623.10	5.9%	6,492.41	1623.10	5.9%
7:00 PM	10,868.15	2,717.04	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,229.16	2557.29	9.3%	10,229.16	2557.29	9.3%
7:15 PM	15,895.32	4,768.60	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,441.70	4332.51	13.1%	14,441.70	4332.51	13.1%
7:36 PM	31,452.26	5,661.41	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	21,424.41	3856.39	19.5%	21,424.41	3856.39	19.5%

JUNE 28

Analysis Hours: 6:48 AM-7:36 PM (PDT)

JUNE 14 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:48 AM	58,621.28	5,862.13	53.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	43,439.21	9,556.63	39.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	30,641.51	7,660.38	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	21,426.56	5,356.64	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	14,695.28	3,673.82	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	10,227.32	2,556.83	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,135.38	1,783.85	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,422.14	1,355.53	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,320.59	1,080.15	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,471.49	867.87	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,856.96	714.24	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,565.91	641.48	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,386.25	596.56	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,233.67	558.42	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,093.56	523.39	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,963.83	490.96	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,842.83	460.71	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,728.99	432.25	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,626.10	406.52	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,530.08	382.52	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,444.15	361.04	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,362.41	340.60	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,297.52	324.38	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,250.94	312.74	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,228.04	307.01	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,200.95	300.24	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,203.36	300.84	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,199.84	299.96	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,223.66	305.92	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,242.87	310.72	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,302.35	325.59	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,380.77	345.19	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,467.25	366.81	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,560.17	390.04	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,660.11	415.03	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,767.92	441.98	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,881.24	470.31	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,000.60	500.15	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,131.28	532.82	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,270.92	567.73	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,422.60	605.65	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,591.14	647.79	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	2,778.95	694.74	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	2,992.88	748.22	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,294.66	823.67	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,878.17	969.54	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	724.38	181.09	0.7%	724.38	181.09	0.7%
6:15 PM	4,625.44	1,156.36	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,990.37	497.59	1.8%	1,990.37	497.59	1.8%
6:30 PM	5,646.35	1,411.59	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,740.94	935.24	3.4%	3,740.94	935.24	3.4%
6:45 PM	7,553.19	1,888.30	6.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,266.60	1566.65	5.7%	6,266.60	1566.65	5.7%
7:00 PM	10,683.99	2,671.00	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,943.77	2485.94	9.0%	9,943.77	2485.94	9.0%
7:15 PM	15,592.63	4,677.79	14.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,198.46	4259.54	12.9%	14,198.46	4259.54	12.9%
7:36 PM	31,105.07	5,598.91	28.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	21,616.31	3890.94	19.7%	21,616.31	3890.94	19.7%

JULY 5

Analysis Hours: 6:52 AM-7:36 PM (PDT)

JUNE 7 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:52 AM	57,691.00	3,461.46	52.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	46,355.33	8,807.51	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	32,495.12	8,123.78	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	22,771.36	5,692.84	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	15,553.52	3,888.38	14.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	10,713.43	2,678.36	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,497.64	1,874.41	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,574.71	1,393.68	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,430.47	1,107.62	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,554.85	888.71	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,908.09	727.02	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,600.33	650.08	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,413.19	603.30	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,257.18	564.30	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,114.85	528.71	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	1,983.21	495.80	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,860.00	465.00	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,745.20	436.30	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,642.24	410.56	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,545.01	386.25	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,458.04	364.51	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,376.45	344.11	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,311.58	327.90	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,264.88	316.22	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,240.76	310.19	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,213.72	303.43	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,215.21	303.80	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,211.10	302.78	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,233.51	308.38	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,249.71	312.43	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,300.59	325.15	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,378.30	344.58	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,465.85	366.46	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,558.99	389.75	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,657.69	414.42	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,765.25	441.31	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,879.20	469.80	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	1,999.50	499.87	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,128.49	532.12	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,269.73	567.43	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,421.88	605.47	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,591.29	647.82	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	2,781.07	695.27	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	2,994.86	748.71	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,354.50	838.63	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	3,960.75	990.19	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	668.10	167.02	0.6%	668.10	167.02	0.6%
6:15 PM	4,734.43	1,183.61	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,933.10	483.27	1.8%	1,933.10	483.27	1.8%
6:30 PM	5,765.62	1,441.40	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,685.02	921.25	3.4%	3,685.02	921.25	3.4%
6:45 PM	7,752.04	1,938.01	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,229.15	1557.29	5.7%	6,229.15	1557.29	5.7%
7:00 PM	10,958.98	2,739.74	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,946.48	2486.62	9.0%	9,946.48	2486.62	9.0%
7:15 PM	15,960.57	4,788.17	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	14,357.83	4307.35	13.1%	14,357.83	4307.35	13.1%
7:36 PM	30,147.78	5,426.60	27.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	22,157.77	3988.40	20.1%	22,157.77	3988.40	20.1%

JULY 12

Analysis Hours: 6:56 AM-7:33 PM (PDT)

MAY 31 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
6:56 AM	56,053.74	1,681.61	51.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:00 AM	50,456.91	7,568.54	45.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	34,987.66	8,746.91	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	24,492.30	6,123.08	22.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	16,649.03	4,162.26	15.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	11,333.16	2,833.29	10.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	7,921.31	1,980.33	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,746.77	1,436.69	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,549.53	1,137.38	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,642.05	910.51	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	2,962.49	740.62	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,640.40	660.10	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,447.22	611.80	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,287.20	571.80	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,141.23	535.31	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,006.96	501.74	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,881.01	470.25	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,765.08	441.27	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,659.91	414.98	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,564.28	391.07	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,476.56	369.14	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,392.52	348.13	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,330.94	332.74	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,284.45	321.11	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,261.37	315.34	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,233.52	308.38	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,233.96	308.49	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,229.55	307.39	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,250.34	312.59	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,264.10	316.02	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,309.32	327.33	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,381.81	345.45	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,469.37	367.34	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,561.04	390.26	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,661.22	415.30	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,768.95	442.24	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,883.47	470.87	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,006.76	501.69	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,136.54	534.13	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,278.79	569.70	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,432.91	608.23	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,603.34	650.83	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	2,795.29	698.82	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,017.68	754.42	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,499.36	874.84	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	4,156.25	1,039.06	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	651.91	162.98	0.6%	651.91	162.98	0.6%
6:15 PM	4,982.82	1,245.71	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,944.20	486.05	1.8%	1,944.20	486.05	1.8%
6:30 PM	6,091.36	1,522.84	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,747.76	936.94	3.4%	3,747.76	936.94	3.4%
6:45 PM	8,272.69	2,068.17	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,384.68	1596.17	5.8%	6,384.68	1596.17	5.8%
7:00 PM	11,681.28	2,920.32	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,276.70	2569.17	9.3%	10,276.70	2569.17	9.3%
7:15 PM	17,195.83	4,814.83	15.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,052.59	4214.73	13.7%	15,052.59	4214.73	13.7%
7:33 PM	29,752.89	4,462.93	27.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	21,922.37	3288.35	19.9%	21,922.37	3288.35	19.9%

JULY 19

Analysis Hours: 7:01 AM-7:30 PM (PDT)

MAY 24 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:01 AM	53,989.10	7,018.58	49.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:16 AM	36,950.62	8,868.15	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	26,541.71	6,370.01	24.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	17,898.91	4,474.73	16.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,045.33	3,011.33	11.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	8,371.82	2,092.96	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,936.51	1,484.13	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,662.12	1,165.53	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,724.27	931.07	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,010.55	752.64	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,683.17	670.79	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,485.69	621.42	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,320.66	580.17	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,170.17	542.54	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,031.16	507.79	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,903.53	475.88	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,786.42	446.61	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,681.15	420.29	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,585.49	396.37	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,497.21	374.30	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,412.27	353.07	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,356.84	339.21	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,311.27	327.82	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,287.70	321.93	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,262.20	315.55	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,260.61	315.15	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,254.98	313.75	1.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,275.38	318.85	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,288.45	322.11	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,328.92	332.23	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,394.17	348.54	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,480.10	370.03	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,571.88	392.97	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,672.70	418.18	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,779.80	444.95	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,896.87	474.22	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,021.72	505.43	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,155.08	538.77	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,299.47	574.87	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,457.45	614.36	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,632.63	658.16	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	2,829.84	707.46	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,174.08	793.52	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	3,755.70	938.92	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	4,487.86	1,121.97	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	693.12	173.28	0.6%	693.12	173.28	0.6%
6:15 PM	5,397.87	1,349.47	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,047.45	511.86	1.9%	2,047.45	511.86	1.9%
6:30 PM	6,705.07	1,676.27	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,970.30	992.57	3.6%	3,970.30	992.57	3.6%
6:45 PM	9,196.15	2,299.04	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,801.28	1700.32	6.2%	6,801.28	1700.32	6.2%
7:00 PM	12,984.14	3,246.04	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,044.89	2761.22	10.0%	11,044.89	2761.22	10.0%
7:15 PM	19,489.40	4,872.35	17.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,114.10	4028.52	14.6%	16,114.10	4028.52	14.6%
7:30 PM	30,623.32	3,981.03	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	20,605.26	2678.68	18.7%	20,605.26	2678.68	18.7%

JULY 26

Analysis Hours: 7:07 AM-7:25 PM (PDT)

MAY 17 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:07 AM	51,804.98	3,108.30	47.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	41,968.18	7,973.95	38.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	28,925.21	7,231.30	26.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	19,365.33	4,841.33	17.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	12,935.90	3,233.97	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	8,873.39	2,218.35	8.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,150.11	1,537.53	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,792.60	1,198.15	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,804.70	951.17	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,062.18	765.55	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,729.18	682.30	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,530.19	632.55	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,358.59	589.65	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,203.12	550.78	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,059.97	514.99	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,930.80	482.70	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,813.59	453.40	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,706.83	426.71	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,609.24	402.31	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,520.28	380.07	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,435.32	358.83	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,388.47	347.12	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,344.12	336.03	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,321.50	330.38	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,296.46	324.12	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,294.82	323.71	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,289.24	322.31	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,308.88	327.22	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,322.29	330.57	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,356.60	339.15	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,413.07	353.27	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,497.81	374.45	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,589.73	397.43	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,691.12	422.78	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,798.18	449.54	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,917.18	479.29	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,044.28	511.07	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,184.17	546.04	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,331.75	582.94	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,495.83	623.96	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,677.02	669.26	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	2,940.11	735.03	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,470.97	867.74	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	4,144.00	1,036.00	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
6:00 PM	4,967.81	1,241.95	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	788.55	197.14	0.7%	788.55	197.14	0.7%
6:15 PM	6,004.26	1,501.07	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,242.68	560.67	2.0%	2,242.68	560.67	2.0%
6:30 PM	7,673.30	1,918.32	7.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,364.82	1091.21	4.0%	4,364.82	1091.21	4.0%
6:45 PM	10,522.57	2,630.64	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,516.23	1879.06	6.8%	7,516.23	1879.06	6.8%
7:00 PM	15,052.57	3,763.14	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	12,258.92	3064.73	11.1%	12,258.92	3064.73	11.1%
7:15 PM	23,144.48	4,860.34	21.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,520.77	3469.36	15.0%	16,520.77	3469.36	15.0%
7:25 PM	31,718.51	2,854.67	28.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,711.74	1684.06	17.0%	18,711.74	1684.06	17.0%

AUGUST 2

Analysis Hours: 7:12 AM-7:18 PM (PDT)

MAY 10 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:12 AM	49,169.65	983.39	44.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:15 AM	45,997.26	6,899.59	41.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	31,406.88	7,851.72	28.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	21,016.49	5,254.12	19.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	13,944.73	3,486.18	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	9,383.65	2,345.91	8.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,358.39	1,589.60	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,917.46	1,229.37	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,877.75	969.44	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,111.48	777.87	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,778.75	694.69	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,577.46	644.36	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,398.79	599.70	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,236.93	559.23	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,090.00	522.50	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,959.41	489.85	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,841.50	460.37	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,735.16	433.79	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,636.42	409.11	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,546.06	386.52	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,469.83	367.46	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,426.38	356.60	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,384.16	346.04	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,362.68	340.67	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,337.23	334.31	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,337.27	334.32	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,331.09	332.77	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,349.64	337.41	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,363.56	340.89	1.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,393.86	348.46	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,438.75	359.69	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,523.49	380.87	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,617.82	404.46	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,719.06	429.77	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,828.59	457.15	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,949.92	487.48	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,081.07	520.27	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,225.02	556.26	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,378.10	594.53	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,550.58	637.65	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	2,772.66	693.17	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,283.65	820.91	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	3,913.01	978.25	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	4,689.19	1,172.30	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	26.88	6.72	0.0%	26.88	6.72	0.0%
6:00 PM	5,639.55	1,409.89	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	968.71	242.18	0.9%	968.71	242.18	0.9%
6:15 PM	6,945.70	1,736.43	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,588.61	647.15	2.4%	2,588.61	647.15	2.4%
6:30 PM	9,053.62	2,263.40	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,033.79	1258.45	4.6%	5,033.79	1258.45	4.6%
6:45 PM	12,564.06	3,141.02	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,697.09	2174.27	7.9%	8,697.09	2174.27	7.9%
7:00 PM	18,434.48	4,608.62	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,387.16	3346.79	12.2%	13,387.16	3346.79	12.2%
7:15 PM	29,239.00	4,385.85	26.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,268.17	2440.22	14.8%	16,268.17	2440.22	14.8%
7:18 PM	32,624.08	978.72	29.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,804.93	504.15	15.3%	16,804.93	504.15	15.3%

AUGUST 9

Analysis Hours: 7:19 AM-7:10 PM (PDT)

MAY 3 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:19 AM	45,865.57	4,127.90	41.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	34,119.33	7,165.06	31.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	22,847.86	5,711.97	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	15,065.77	3,766.44	13.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	9,941.19	2,485.30	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,584.78	1,646.20	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,044.28	1,261.07	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,955.88	988.97	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,163.74	790.94	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,838.45	709.61	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,628.85	657.21	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,441.44	610.36	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,274.12	568.53	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,124.26	531.07	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	1,992.22	498.06	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,871.99	468.00	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,766.24	441.56	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,665.66	416.42	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,574.90	393.73	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,511.93	377.98	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,470.46	367.62	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,430.91	357.73	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,409.03	352.26	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,387.04	346.76	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,385.62	346.40	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,382.03	345.51	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,399.24	349.81	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,412.39	353.10	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,440.37	360.09	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,481.69	370.42	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,559.75	389.94	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,652.28	413.07	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,757.26	439.31	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,869.52	467.38	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	1,992.29	498.07	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,128.70	532.17	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,277.64	569.41	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,440.44	610.11	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	2,662.27	665.57	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,151.77	787.94	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	3,772.84	943.21	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	4,509.97	1,127.49	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	5,415.26	1,353.81	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	76.23	19.06	0.1%	76.23	19.06	0.1%
6:00 PM	6,626.94	1,656.74	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,244.63	311.16	1.1%	1,244.63	311.16	1.1%
6:15 PM	8,204.59	2,051.15	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,134.29	783.57	2.8%	3,134.29	783.57	2.8%
6:30 PM	10,982.63	2,745.66	10.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,013.30	1503.32	5.5%	6,013.30	1503.32	5.5%
6:45 PM	15,731.03	5,348.55	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,136.07	3446.27	9.2%	10,136.07	3446.27	9.2%
7:10 PM	33,436.75	7,021.72	30.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	15,203.23	3192.68	13.8%	15,203.23	3192.68	13.8%

AUGUST 16

Analysis Hours: 7:25 AM-7:02 PM (PDT)

APRIL 26 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:25 AM	42,152.45	1,686.10	38.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:30 AM	37,287.19	6,338.82	33.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	24,673.43	6,168.36	22.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	16,343.37	4,085.84	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	10,579.66	2,644.92	9.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	6,869.60	1,717.40	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,178.28	1,294.57	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,035.78	1,008.94	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,230.24	807.56	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,906.16	726.54	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,684.69	671.17	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,488.46	622.11	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,316.71	579.18	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,164.62	541.16	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,029.75	507.44	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,909.60	477.40	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,801.14	450.28	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,697.53	424.38	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,618.41	404.60	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,561.32	390.33	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,520.93	380.23	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,484.79	371.20	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,463.77	365.94	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,442.73	360.68	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,442.60	360.65	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,438.68	359.67	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,455.18	363.79	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,469.46	367.37	1.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,496.71	374.18	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,532.87	383.22	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,603.53	400.88	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,695.75	423.94	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,803.62	450.90	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,917.88	479.47	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,047.05	511.76	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,187.77	546.94	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,342.23	585.56	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	2,574.61	643.65	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,076.81	769.20	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	3,677.45	919.36	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	4,409.60	1,102.40	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	5,272.33	1,318.08	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	6,441.29	1,610.32	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	222.85	55.71	0.2%	222.85	55.71	0.2%
6:00 PM	7,918.61	1,979.65	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,652.02	413.00	1.5%	1,652.02	413.00	1.5%
6:15 PM	9,923.29	2,480.82	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,931.79	982.95	3.6%	3,931.79	982.95	3.6%
6:30 PM	14,000.22	3,500.06	12.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,287.21	1821.80	6.6%	7,287.21	1821.80	6.6%
6:45 PM	20,357.23	5,496.45	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,454.54	2822.73	9.5%	10,454.54	2822.73	9.5%
7:02 PM	34,030.22	4,764.23	30.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	13,497.13	1889.60	12.3%	13,497.13	1889.60	12.3%

AUGUST 23

Analysis Hours: 7:31 AM-6:52 PM (PDT)

APRIL 19 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:31 AM	38,168.25	4,198.51	34.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	386.90	42.56	0.4%	386.90	42.56	0.4%
7:45 AM	26,672.73	6,134.73	24.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	17,348.54	4,337.14	15.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,223.51	2,805.88	10.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,139.75	1,784.94	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,293.43	1,323.36	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,097.33	1,024.33	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,289.76	822.44	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	2,975.12	743.78	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,741.46	685.36	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,538.08	634.52	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,363.05	590.76	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,207.69	551.92	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,072.20	518.05	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,948.75	487.19	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,837.66	459.42	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,733.96	433.49	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,672.67	418.17	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,616.93	404.23	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,580.22	395.06	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,543.92	385.98	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,525.02	381.25	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,505.44	376.36	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,507.13	376.78	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,503.55	375.89	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,520.24	380.06	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,534.97	383.74	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,564.45	391.11	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,596.02	399.00	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,656.02	414.00	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,752.93	438.23	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,862.53	465.63	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	1,982.33	495.58	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,114.78	528.70	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,261.61	565.40	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	2,540.13	635.03	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,032.80	758.20	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	3,654.49	913.62	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	4,362.57	1,090.64	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	5,232.70	1,308.17	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	6,362.20	1,590.55	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	7,819.72	1,954.93	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	505.40	126.35	0.5%	505.40	126.35	0.5%
6:00 PM	9,736.70	2,434.17	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,297.71	574.43	2.1%	2,297.71	574.43	2.1%
6:15 PM	12,983.37	3,245.84	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,991.83	1247.96	4.5%	4,991.83	1247.96	4.5%
6:30 PM	18,604.66	4,651.16	16.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,664.90	1916.23	7.0%	7,664.90	1916.23	7.0%
6:45 PM	27,683.17	5,259.80	25.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,629.63	2019.63	9.7%	10,629.63	2019.63	9.7%
6:52 PM	35,040.41	2,102.42	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,445.45	686.73	10.4%	11,445.45	686.73	10.4%

AUGUST 30

Analysis Hours: 7:37 AM-6:42 PM (PDT)

APRIL 12 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:37 AM	34,402.11	2,064.13	31.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,260.91	135.65	2.1%	2,260.91	135.65	2.1%
7:45 AM	28,621.47	5,438.08	26.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	18,393.05	4,598.26	16.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	11,826.20	2,956.55	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,473.06	1,868.26	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,418.98	1,354.74	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,153.90	1,038.47	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,350.97	837.74	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,051.27	762.82	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,806.92	701.73	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,596.86	649.22	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,417.62	604.40	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,258.58	564.65	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,120.44	530.11	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	1,992.37	498.09	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,879.79	469.95	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,791.86	447.97	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,735.64	433.91	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,681.20	420.30	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,646.94	411.73	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,611.18	402.80	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,594.15	398.54	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,576.00	394.00	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,578.05	394.51	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,574.87	393.72	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,593.47	398.37	1.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,608.69	402.17	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,639.20	409.80	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,667.49	416.87	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,728.79	432.20	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,818.26	454.56	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	1,929.41	482.35	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,057.02	514.25	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,196.53	549.13	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	2,519.30	629.82	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,039.37	759.84	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	3,644.50	911.13	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	4,370.83	1,092.71	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	5,227.31	1,306.83	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	6,358.73	1,589.68	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	7,801.00	1,950.25	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:45 PM	9,723.98	2,430.99	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	959.93	239.98	0.9%	959.93	239.98	0.9%
6:00 PM	12,527.33	3,131.83	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,117.84	779.46	2.8%	3,117.84	779.46	2.8%
6:15 PM	17,503.00	4,375.75	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,437.61	1359.40	4.9%	5,437.61	1359.40	4.9%
6:30 PM	25,165.63	5,788.09	22.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,861.41	1808.12	7.1%	7,861.41	1808.12	7.1%
6:42 PM	36,060.26	3,966.63	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,296.91	1022.66	8.5%	9,296.91	1022.66	8.5%

SEPTEMBER 6

Analysis Hours: 7:44 AM-6:31 PM (PDT)

APRIL 5 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:44 AM	30,964.42	4,025.37	28.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,371.11	698.24	4.9%	5,371.11	698.24	4.9%
8:00 AM	19,723.76	4,930.94	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	12,348.15	3,087.04	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,782.86	1,945.72	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,547.96	1,386.99	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,205.77	1,051.44	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,428.31	857.08	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,133.72	783.43	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,883.07	720.77	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,666.02	666.51	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,479.77	619.94	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,317.40	579.35	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,174.87	543.72	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,041.47	510.37	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	1,936.51	484.13	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,861.90	465.47	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,806.62	451.65	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,753.00	438.25	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,721.69	430.42	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,685.18	421.30	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,670.48	417.62	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,653.72	413.43	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,656.87	414.22	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,654.81	413.70	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,673.91	418.48	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,691.79	422.95	1.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,723.09	430.77	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,749.33	437.33	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,811.14	452.78	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,893.21	473.30	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,010.19	502.55	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,146.17	536.54	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	2,547.71	636.93	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,055.29	763.82	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	3,683.87	920.97	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	4,383.20	1,095.80	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	5,278.08	1,319.52	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	6,371.12	1,592.78	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	7,857.95	1,964.49	7.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	9,828.33	2,457.08	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	62.47	15.62	0.1%	62.47	15.62	0.1%
5:45 PM	12,519.11	3,129.78	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,558.03	389.51	1.4%	1,558.03	389.51	1.4%
6:00 PM	16,548.87	4,137.22	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,553.58	888.39	3.2%	3,553.58	888.39	3.2%
6:15 PM	23,892.14	6,450.88	21.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,528.59	1492.72	5.0%	5,528.59	1492.72	5.0%
6:31 PM	36,976.36	5,176.69	33.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,602.05	1064.29	6.9%	7,602.05	1064.29	6.9%

SEPTEMBER 13

Analysis Hours: 7:50 AM-6:21 PM (PDT)

MARCH 29 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:50 AM	27,837.98	2,227.04	25.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	8,412.59	673.01	7.6%	8,412.59	673.01	7.6%
8:00 AM	20,698.95	4,346.78	18.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,725.31	362.32	1.6%	1,725.31	362.32	1.6%
8:15 AM	12,982.17	3,245.54	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	7,991.05	1,997.76	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,661.00	1,415.25	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,251.10	1,062.77	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,529.42	882.35	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,222.96	805.74	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,969.32	742.33	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,743.50	685.87	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,553.11	638.28	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,381.76	595.44	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,232.76	558.19	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,098.64	524.66	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,014.13	503.53	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	1,939.66	484.91	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,884.89	471.22	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,835.37	458.84	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,802.46	450.62	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,767.55	441.89	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,754.72	438.68	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,739.37	434.84	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,743.00	435.75	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,742.79	435.70	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,762.43	440.61	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,782.09	445.52	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,814.54	453.63	1.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,842.08	460.52	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	1,901.99	475.50	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	1,978.22	494.56	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,155.23	538.81	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	2,576.38	644.09	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,124.75	781.19	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	3,725.57	931.39	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	4,449.63	1,112.41	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	5,324.33	1,331.08	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	6,436.29	1,609.07	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	7,886.86	1,971.71	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	9,919.11	2,479.78	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	12,527.17	3,131.79	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	358.91	89.73	0.3%	358.91	89.73	0.3%
5:45 PM	16,397.48	4,099.37	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,980.36	495.09	1.8%	1,980.36	495.09	1.8%
6:00 PM	22,636.60	5,659.15	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,795.89	948.97	3.5%	3,795.89	948.97	3.5%
6:15 PM	32,287.17	5,811.69	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,047.53	908.55	4.6%	5,047.53	908.55	4.6%
6:21 PM	37,716.05	1,885.80	34.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,299.40	314.97	5.7%	6,299.40	314.97	5.7%

SEPTEMBER 20

Analysis Hours: 7:57 AM-6:09 PM (PDT)

APPROXIMATE EQUINOX
MARCH 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	24,985.23	499.70	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	10,287.56	205.75	9.4%	10,287.56	205.75	9.4%
8:00 AM	22,269.94	3,340.49	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	7,292.27	1093.84	6.6%	7,292.27	1093.84	6.6%
8:15 AM	13,563.09	3,390.77	12.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	150.40	37.60	0.1%	150.40	37.60	0.1%
8:30 AM	8,235.36	2,058.84	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,731.11	1,432.78	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,299.33	1,074.83	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,646.37	911.59	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,324.52	831.13	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,060.81	765.20	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,833.56	708.39	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,634.14	658.54	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,453.34	613.33	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,299.51	574.88	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,183.12	545.78	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,102.36	525.59	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,027.33	506.83	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	1,974.05	493.51	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	1,924.91	481.23	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,891.50	472.87	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,859.50	464.87	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,845.66	461.42	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,832.29	458.07	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,837.57	459.39	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,837.14	459.29	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,859.98	465.00	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,881.17	470.29	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	1,916.96	479.24	1.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	1,947.36	486.84	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,007.51	501.88	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,203.56	550.89	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	2,657.24	664.31	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,178.83	794.71	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	3,813.48	953.37	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	4,502.79	1,125.70	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	5,424.07	1,356.02	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	6,487.09	1,621.77	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	7,890.33	1,972.58	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	9,945.60	2,486.40	9.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	12,640.18	3,160.05	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	16,407.38	4,101.84	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	733.40	183.35	0.7%	733.40	183.35	0.7%
5:45 PM	21,788.28	5,447.07	19.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,297.02	574.25	2.1%	2,297.02	574.25	2.1%
6:00 PM	30,628.29	6,431.94	27.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,650.69	766.64	3.3%	3,650.69	766.64	3.3%
6:09 PM	39,056.89	3,124.55	35.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,152.77	412.22	4.7%	5,152.77	412.22	4.7%

SEPTEMBER 27

Analysis Hours: 8:03 AM-5:58 PM (PDT)

MARCH 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:03 AM	22,746.50	2,274.65	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,169.18	1116.92	10.2%	11,169.18	1116.92	10.2%
8:15 AM	14,206.62	3,125.46	12.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,889.48	415.69	1.7%	1,889.48	415.69	1.7%
8:30 AM	8,571.51	2,142.88	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,862.50	1,465.62	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,371.25	1,092.81	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,779.68	944.92	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,437.13	859.28	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,164.00	791.00	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,927.13	731.78	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,723.82	680.96	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,535.11	633.78	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,389.44	597.36	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,282.22	570.56	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,200.45	550.11	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,124.69	531.17	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,071.80	517.95	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,022.15	505.54	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	1,989.81	497.45	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	1,957.25	489.31	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	1,946.58	486.65	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	1,932.90	483.22	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	1,938.19	484.55	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	1,940.99	485.25	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	1,965.15	491.29	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	1,989.55	497.39	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,027.78	506.94	1.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,064.70	516.18	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,338.41	584.60	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	2,746.81	686.70	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,284.41	821.10	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	3,879.92	969.98	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	4,617.37	1,154.34	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	5,495.81	1,373.95	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	6,558.15	1,639.54	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	7,875.73	1,968.93	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	10,034.59	2,508.65	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	12,734.54	3,183.64	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	16,464.59	4,116.15	15.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:30 PM	21,548.65	5,387.16	19.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,016.50	254.13	0.9%	1,016.50	254.13	0.9%
5:45 PM	29,434.59	6,769.96	26.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,337.13	537.54	2.1%	2,337.13	537.54	2.1%
5:58 PM	40,630.11	4,469.31	36.9%	12,647.17	1391.19	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	16,267.41	1789.41	14.8%	16,267.41	1789.41	14.8%

OCTOBER 4

Analysis Hours: 8:09 AM-5:47 PM (PDT)

MARCH 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:09 AM	21,308.66	852.35	19.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	11,032.59	441.30	10.0%	11,032.59	441.30	10.0%
8:15 AM	16,380.50	2,784.69	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,680.10	965.62	5.2%	5,680.10	965.62	5.2%
8:30 AM	8,852.49	2,213.12	8.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,102.55	1,525.64	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,494.67	1,123.67	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,935.89	983.97	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,571.08	892.77	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,279.55	819.89	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,030.46	757.61	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,819.39	704.85	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,627.85	656.96	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,504.51	626.13	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,393.84	598.46	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,308.90	577.23	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,231.67	557.92	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,180.04	545.01	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,127.17	531.79	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,095.31	523.83	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,062.30	515.58	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,053.79	513.45	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,041.81	510.45	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,048.32	512.08	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,052.75	513.19	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,078.58	519.65	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,105.15	526.29	1.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,165.06	541.26	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	2,467.49	616.87	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	2,903.90	725.98	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	3,395.51	848.88	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	3,981.60	995.40	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	4,689.77	1,172.44	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	5,590.93	1,397.73	5.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	6,581.44	1,645.36	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	7,971.74	1,992.93	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	9,994.23	2,498.56	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	12,852.49	3,213.12	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	16,338.71	4,084.68	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	21,427.50	5,356.87	19.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	154.21	38.55	0.1%	154.21	38.55	0.1%
5:30 PM	28,074.17	7,580.03	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,287.14	347.53	1.2%	1,287.14	347.53	1.2%
5:47 PM	42,554.16	5,957.58	38.7%	14,357.34	2010.03	13.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	18,601.03	2604.14	16.9%	18,601.03	2604.14	16.9%

OCTOBER 11

Analysis Hours: 8:16 AM-5:37 PM (PDT)

MARCH 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:16 AM	21,133.80	2,536.06	19.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	9,078.58	1089.43	8.3%	9,078.58	1089.43	8.3%
8:30 AM	10,049.11	2,411.79	9.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	255.79	61.39	0.2%	255.79	61.39	0.2%
8:45 AM	6,403.36	1,600.84	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,671.28	1,167.82	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,123.33	1,030.83	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,725.35	931.34	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,410.21	852.55	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,142.17	785.54	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,922.17	730.54	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,755.85	688.96	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,631.90	657.98	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,516.75	629.19	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,428.19	607.05	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,350.01	587.50	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,295.85	573.96	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,239.60	559.90	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,209.63	552.41	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,176.57	544.14	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,167.55	541.89	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,156.97	539.24	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,164.66	541.16	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,170.68	542.67	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,198.65	549.66	2.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,288.85	572.21	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	2,634.15	658.54	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,033.94	758.48	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	3,540.69	885.17	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,096.64	1,024.16	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	4,845.61	1,211.40	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	5,732.06	1,433.01	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	6,777.25	1,694.31	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	8,110.46	2,027.62	7.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	10,150.45	2,537.61	9.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	12,694.91	3,173.73	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	16,164.35	4,041.09	14.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	20,915.59	5,228.90	19.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:15 PM	27,420.37	6,855.09	24.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	713.72	178.43	0.6%	713.72	178.43	0.6%
5:30 PM	36,052.42	6,849.96	32.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,100.55	399.10	1.9%	2,100.55	399.10	1.9%
5:37 PM	44,225.56	2,653.53	40.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	5,140.39	308.42	4.7%	5,140.39	308.42	4.7%

OCTOBER 18

Analysis Hours: 8:22 AM-5:27 PM (PDT)

FEBRUARY 22 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:22 AM	22,017.58	1,321.05	20.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	6,103.38	366.20	5.5%	6,103.38	366.20	5.5%
8:30 AM	15,812.76	2,846.30	14.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	998.62	179.75	0.9%	998.62	179.75	0.9%
8:45 AM	7,276.40	1,819.10	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,947.58	1,236.89	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,341.40	1,085.35	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,901.62	975.41	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,558.05	889.51	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,267.80	816.95	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,047.67	761.92	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,889.71	722.43	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,766.81	691.70	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,648.79	662.20	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,558.81	639.70	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,475.86	618.97	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,418.64	604.66	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,361.65	590.41	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,328.47	582.12	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,296.58	574.15	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,287.50	571.88	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	2,277.15	569.29	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	2,287.66	571.92	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	2,293.97	573.49	2.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	2,443.74	610.93	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	2,755.85	688.96	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	3,191.78	797.94	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	3,648.57	912.14	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	4,216.17	1,054.04	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	4,939.76	1,234.94	4.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	5,914.67	1,478.67	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	6,998.90	1,749.72	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	8,450.03	2,112.51	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:00 PM	10,331.54	2,582.89	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:15 PM	12,858.18	3,214.55	11.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:30 PM	15,936.61	3,984.15	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
4:45 PM	20,266.32	5,066.58	18.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
5:00 PM	26,392.69	6,598.17	24.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	512.71	128.18	0.5%	512.71	128.18	0.5%
5:15 PM	33,669.88	7,407.37	30.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,016.45	223.62	0.9%	1,016.45	223.62	0.9%
5:27 PM	45,534.14	4,553.41	41.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,782.01	478.20	4.3%	4,782.01	478.20	4.3%

OCTOBER 25

Analysis Hours: 7:30 AM-4:18 PM (PST)

FEBRUARY 15 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:30 AM	25,458.60	3,309.62	23.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,575.14	334.77	2.3%	2,575.14	334.77	2.3%
7:45 AM	11,675.87	2,918.97	10.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	5,794.96	1,448.74	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	4,602.01	1,150.50	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,103.78	1,025.95	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,725.51	931.38	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,412.39	853.10	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,203.08	800.77	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,033.33	758.33	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	2,905.68	726.42	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,787.77	696.94	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,697.40	674.35	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,611.00	652.75	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,549.42	637.36	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,488.86	622.21	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,455.31	613.83	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,421.59	605.40	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,413.94	603.49	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,403.81	600.95	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,415.46	603.87	2.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,558.42	639.61	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	2,899.19	724.80	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,285.26	821.31	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	3,773.83	943.46	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	4,281.58	1,070.39	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,041.79	1,260.45	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	5,940.90	1,485.22	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	7,128.40	1,782.10	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	8,604.27	2,151.07	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	10,692.73	2,673.18	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	12,960.14	3,240.03	11.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	16,021.22	4,005.31	14.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	19,636.27	4,909.07	17.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:45 PM	25,002.63	6,250.66	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	350.37	87.59	0.3%	350.37	87.59	0.3%
4:00 PM	32,446.84	8,111.71	29.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,093.42	273.35	1.0%	1,093.42	273.35	1.0%
4:15 PM	43,562.64	6,534.40	39.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,174.19	626.13	3.8%	4,174.19	626.13	3.8%
4:18 PM	46,406.32	1,392.19	42.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	4,003.38	120.10	3.6%	4,003.38	120.10	3.6%

NOVEMBER 1

Analysis Hours: 7:36 AM-4:10 PM (PST)

FEBRUARY 8 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:36 AM	29,851.43	2,089.60	27.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	143.20	10.02	0.1%	143.20	10.02	0.1%
7:45 AM	21,677.06	4,118.64	19.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	8,047.64	2,011.91	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	5,269.04	1,317.26	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,334.24	1,083.56	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	3,915.64	978.91	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,589.67	897.42	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,373.35	843.34	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,188.17	797.04	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,051.69	762.92	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	2,927.27	731.82	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,838.71	709.68	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,750.50	687.63	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,684.50	671.12	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,621.09	655.27	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,585.01	646.25	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,550.36	637.59	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,541.60	635.40	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,531.47	632.87	2.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	2,701.97	675.49	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	2,984.50	746.12	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,391.94	847.99	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	3,817.49	954.37	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	4,355.43	1,088.86	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,036.29	1,259.07	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	5,979.63	1,494.91	5.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	7,032.73	1,758.18	6.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	8,613.11	2,153.28	7.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	10,652.41	2,663.10	9.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	13,218.96	3,304.74	12.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	15,942.17	3,985.54	14.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	19,537.38	4,884.35	17.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:30 PM	23,808.45	5,952.11	21.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	256.58	64.15	0.2%	256.58	64.15	0.2%
3:45 PM	29,958.56	7,489.64	27.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	935.96	233.99	0.9%	935.96	233.99	0.9%
4:00 PM	39,603.94	8,316.83	36.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,668.68	560.42	2.4%	2,668.68	560.42	2.4%
4:10 PM	48,594.83	4,373.53	44.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	3,103.61	279.33	2.8%	3,103.61	279.33	2.8%

NOVEMBER 8

Analysis Hours: 7:43 AM-4:03 PM (PST)

FEBRUARY 1 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:43 AM	35,761.35	357.61	32.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
7:45 AM	34,580.63	4,495.48	31.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	17,444.35	4,361.09	15.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	6,642.50	1,660.62	6.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	4,798.49	1,199.62	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,131.47	1,032.87	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	3,794.09	948.52	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,556.94	889.23	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,353.94	838.48	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,202.93	800.73	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,069.96	767.49	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	2,977.24	744.31	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	2,888.43	722.11	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,822.00	705.50	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,754.20	688.55	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,715.40	678.85	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,678.38	669.59	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,671.04	667.76	2.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	2,787.95	696.99	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,087.93	771.98	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,423.46	855.86	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	3,866.59	966.65	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,326.02	1,081.51	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,025.62	1,256.41	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	5,849.19	1,462.30	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	6,967.71	1,741.93	6.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	8,273.88	2,068.47	7.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	10,335.57	2,583.89	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	12,718.87	3,179.72	11.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	15,772.22	3,943.05	14.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	59.56	14.89	0.1%	59.56	14.89	0.1%
3:00 PM	19,029.95	4,757.49	17.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	23,321.99	5,830.50	21.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	94.51	23.63	0.1%	94.51	23.63	0.1%
3:30 PM	28,234.54	7,058.64	25.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	779.45	194.86	0.7%	779.45	194.86	0.7%
3:45 PM	35,187.99	8,797.00	32.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,727.74	431.93	1.6%	1,727.74	431.93	1.6%
4:00 PM	48,137.72	7,220.66	43.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,460.14	369.02	2.2%	2,460.14	369.02	2.2%
4:03 PM	51,379.55	1,541.39	46.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,010.25	60.31	1.8%	2,010.25	60.31	1.8%

NOVEMBER 15

Analysis Hours: 7:51 AM-3:57 PM (PST)

JANUARY 25 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:51 AM	41,800.82	3,344.07	38.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	30,040.65	6,008.13	27.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	12,618.97	3,154.74	11.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	5,840.74	1,460.18	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	4,471.18	1,117.79	4.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,013.20	1,003.30	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,749.67	937.42	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,524.78	881.19	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,360.13	840.03	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,213.62	803.40	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,114.12	778.53	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,018.41	754.60	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	2,952.48	738.12	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	2,885.86	721.47	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,843.24	710.81	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,803.11	700.78	2.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	2,895.22	723.81	2.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,118.52	779.63	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,469.38	867.35	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	3,829.04	957.26	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,300.02	1,075.00	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	4,867.83	1,216.96	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	5,705.31	1,426.33	5.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	6,679.80	1,669.95	6.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	7,958.10	1,989.52	7.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	9,666.97	2,416.74	8.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	11,968.67	2,992.17	10.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	14,721.23	3,680.31	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	18,231.88	4,557.97	16.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	60.32	15.08	0.1%	60.32	15.08	0.1%
3:00 PM	22,160.58	5,540.14	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:15 PM	27,043.41	6,760.85	24.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	434.41	108.60	0.4%	434.41	108.60	0.4%
3:30 PM	32,289.54	8,072.38	29.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,356.17	339.04	1.2%	1,356.17	339.04	1.2%
3:45 PM	41,327.79	9,505.39	37.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,710.04	623.31	2.5%	2,710.04	623.31	2.5%
3:57 PM	53,607.34	5,896.81	48.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,268.09	139.49	1.2%	1,268.09	139.49	1.2%

NOVEMBER 22

Analysis Hours: 7:57 AM-3:54 PM (PST)

JANUARY 18 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
7:57 AM	47,786.93	955.74	43.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:00 AM	44,988.76	6,748.31	40.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	22,608.70	5,652.17	20.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	8,331.98	2,083.00	7.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	5,266.19	1,316.55	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,267.08	1,066.77	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	3,946.54	986.63	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,697.21	924.30	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,515.03	878.76	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,356.05	839.01	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,246.18	811.54	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,143.06	785.77	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,071.57	767.89	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,004.15	751.04	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	2,963.87	740.97	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	2,948.67	737.17	2.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,164.73	791.18	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,425.09	856.27	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	3,798.94	949.73	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,175.34	1,043.84	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	4,708.00	1,177.00	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,378.59	1,344.65	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,333.40	1,583.35	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	7,439.04	1,859.76	6.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	8,972.46	2,243.11	8.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	10,902.46	2,725.61	9.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	13,444.17	3,361.04	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	16,436.22	4,109.05	14.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	20,355.55	5,088.89	18.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	24,920.56	6,230.14	22.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	217.73	54.43	0.2%	217.73	54.43	0.2%
3:15 PM	30,343.16	7,585.79	27.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	779.20	194.80	0.7%	779.20	194.80	0.7%
3:30 PM	36,290.08	9,072.52	33.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,755.88	438.97	1.6%	1,755.88	438.97	1.6%
3:45 PM	46,348.81	9,269.76	42.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	2,389.57	477.91	2.2%	2,389.57	477.91	2.2%
3:54 PM	55,754.32	4,460.35	50.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	724.59	57.97	0.7%	724.59	57.97	0.7%

NOVEMBER 29

Analysis Hours: 8:04 AM-3:51 PM (PST)

JANUARY 11 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:04 AM	52,877.22	4,758.95	48.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	34,930.44	7,335.39	31.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	14,703.13	3,675.78	13.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	6,456.40	1,614.10	5.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	4,762.47	1,190.62	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,141.33	1,035.33	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	3,864.87	966.22	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,663.15	915.79	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,488.93	872.23	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,367.96	841.99	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,255.50	813.87	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,180.03	795.01	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,106.76	776.69	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,067.88	766.97	2.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,148.53	787.13	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,373.23	843.31	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,627.63	906.91	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,034.99	1,008.75	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,443.52	1,110.88	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,064.07	1,266.02	4.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	5,804.52	1,451.13	5.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	6,867.24	1,716.81	6.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	8,071.75	2,017.94	7.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	9,822.25	2,455.56	8.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	11,839.00	2,959.75	10.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	14,559.25	3,639.81	13.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	17,715.96	4,428.99	16.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	21,903.30	5,475.82	19.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	26,847.87	6,711.97	24.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	400.56	100.14	0.4%	400.56	100.14	0.4%
3:15 PM	33,037.44	8,259.36	30.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	994.46	248.62	0.9%	994.46	248.62	0.9%
3:30 PM	39,583.15	9,895.79	36.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,929.20	482.30	1.8%	1,929.20	482.30	1.8%
3:45 PM	50,008.58	9,001.54	45.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,614.60	290.63	1.5%	1,614.60	290.63	1.5%
3:51 PM	57,283.94	2,864.20	52.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	598.88	29.94	0.5%	598.88	29.94	0.5%

DECEMBER 6

Analysis Hours: 8:10 AM-3:51 PM (PST)

JANUARY 4 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:10 AM	56,485.89	2,259.44	51.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:15 AM	48,704.09	8,279.69	44.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	22,058.68	5,514.67	20.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	9,271.42	2,317.86	8.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	5,507.13	1,376.78	5.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,411.28	1,102.82	4.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,018.49	1,004.62	3.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,796.54	949.13	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,606.99	901.75	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,473.69	868.42	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,351.84	837.96	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,267.82	816.95	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,191.87	797.97	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,162.64	790.66	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,293.72	823.43	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,565.03	891.26	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,852.63	963.16	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,235.52	1,058.88	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,633.61	1,158.40	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,305.97	1,326.49	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,085.84	1,521.46	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,213.58	1,803.40	6.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	8,505.42	2,126.35	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	10,346.84	2,586.71	9.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	12,416.70	3,104.18	11.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	15,213.18	3,803.30	13.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	18,431.61	4,607.90	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	22,765.64	5,691.41	20.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	28,039.49	7,009.87	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	304.39	76.10	0.3%	304.39	76.10	0.3%
3:15 PM	34,838.51	8,709.63	31.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,180.78	295.19	1.1%	1,180.78	295.19	1.1%
3:30 PM	41,499.10	10,374.77	37.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,994.58	498.65	1.8%	1,994.58	498.65	1.8%
3:45 PM	51,756.46	8,798.60	47.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,261.48	214.45	1.1%	1,261.48	214.45	1.1%
3:51 PM	58,693.12	2,934.66	53.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	508.28	25.41	0.5%	508.28	25.41	0.5%

DECEMBER 13

Analysis Hours: 8:15 AM-3:52 PM (PST)

DECEMBER 28 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:15 AM	58,559.86	7,027.18	53.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	30,666.39	7,666.60	27.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	13,366.02	3,341.50	12.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	6,357.23	1,589.31	5.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	4,809.06	1,202.26	4.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,148.03	1,037.01	3.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,906.39	976.60	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,701.28	925.32	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,556.73	889.18	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,426.40	856.60	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,336.81	834.20	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,252.46	813.11	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,238.42	809.60	2.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,367.84	841.96	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,635.15	908.79	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,912.97	978.24	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,299.79	1,074.95	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,711.04	1,177.76	4.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,393.31	1,348.33	4.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,182.83	1,545.71	5.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,324.81	1,831.20	6.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	8,641.48	2,160.37	7.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	10,491.78	2,622.94	9.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	12,554.53	3,138.63	11.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	15,343.15	3,835.79	13.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	18,519.27	4,629.82	16.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	22,850.74	5,712.69	20.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	28,070.82	7,017.71	25.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	293.34	73.34	0.3%	293.34	73.34	0.3%
3:15 PM	35,129.10	8,782.28	31.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,335.97	333.99	1.2%	1,335.97	333.99	1.2%
3:30 PM	41,948.31	10,487.08	38.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,978.55	494.64	1.8%	1,978.55	494.64	1.8%
3:45 PM	51,659.18	9,298.65	47.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,288.81	231.99	1.2%	1,288.81	231.99	1.2%
3:52 PM	59,687.85	3,581.27	54.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	434.47	26.07	0.4%	434.47	26.07	0.4%

DECEMBER 20

Analysis Hours: 8:19 AM-3:54 PM (PST)

WINTER SOLSTICE
DECEMBER 21 SIMILAR

Analysis Time	EXISTING SHADOW			THE HUB PLAN EIR NET NEW SHADOW			30 VAN NESS NET NEW SHADOW			98 FRANKLIN NET NEW SHADOW			CUMULATIVE SCENARIO 1			CUMULATIVE SCENARIO 2		
	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage	Area (sf)	SFH	Coverage
8:19 AM	59,311.16	4,744.89	53.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:30 AM	38,861.47	8,160.91	35.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
8:45 AM	17,043.03	4,260.76	15.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:00 AM	7,098.64	1,774.66	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:15 AM	5,198.06	1,299.51	4.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:30 AM	4,275.34	1,068.84	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9:45 AM	3,985.48	996.37	3.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:00 AM	3,765.90	941.48	3.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:15 AM	3,610.51	902.63	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:30 AM	3,471.28	867.82	3.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
10:45 AM	3,375.64	843.91	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:00 AM	3,284.98	821.25	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:15 AM	3,252.92	813.23	3.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:30 AM	3,371.14	842.78	3.1%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
11:45 AM	3,627.15	906.79	3.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:00 PM	3,896.30	974.07	3.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:15 PM	4,273.90	1,068.47	3.9%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:30 PM	4,664.54	1,166.14	4.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
12:45 PM	5,323.95	1,330.99	4.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:00 PM	6,086.74	1,521.69	5.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:15 PM	7,193.43	1,798.36	6.5%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:30 PM	8,475.32	2,118.83	7.7%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
1:45 PM	10,270.19	2,567.55	9.3%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:00 PM	12,265.00	3,066.25	11.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:15 PM	14,983.87	3,745.97	13.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:30 PM	18,037.70	4,509.42	16.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
2:45 PM	22,217.72	5,554.43	20.2%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
3:00 PM	27,227.56	6,806.89	24.8%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	211.37	52.84	0.2%	211.37	52.84	0.2%
3:15 PM	34,055.40	8,513.85	31.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,175.00	293.75	1.1%	1,175.00	293.75	1.1%
3:30 PM	41,111.76	10,277.94	37.4%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,890.34	472.59	1.7%	1,890.34	472.59	1.7%
3:45 PM	50,173.88	10,536.51	45.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	1,567.92	329.26	1.4%	1,567.92	329.26	1.4%
3:54 PM	60,082.72	4,806.62	54.6%	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%	382.64	30.61	0.3%	382.64	30.61	0.3%

APPENDIX H-2
30 VAN NESS AVENUE SHADOW UPDATE MEMORANDUM

PREVISION DESIGN

TO: Ms. Alana Callagy, Planner
San Francisco Planning Department
1650 Mission Street, Suite 400
San Francisco, CA 94103

FROM: Adam Phillips, Principal
Prevision Design
995 Market Street, 2nd Floor
San Francisco, CA 94103

DATE: June 5, 2019

RE: Changes in shadow effects of the revised 30 Van Ness Avenue Project on Civic Center Plaza relative to the prior version of the 30 Van Ness Avenue Project analyzed in the Shadow analysis report for the Hub Plan, 30 Van Ness Avenue Project, 98 Franklin Street Project, and Hub Housing Sustainability District (HSD) EIR (February 11, 2019)

Ms. Callagy-

Prevision Design has been provided a revised project design for the proposed 30 Van Ness Avenue project (Planning Department Case No. 2017-008051ENV) that was analyzed as part of the Hub Plan, 30 Van Ness Avenue Project, 98 Franklin Street Project, and Hub Housing Sustainability District (HSD) EIR shadow analysis report dated 2/11/19, (hereafter the "previous shadow analysis report"). The revised project (hereafter the "revised proposal") makes several changes to the project design at the 30 Van Ness Avenue Project, and most substantially with respect to shadow generation, reduces the mass and form of the tower element, shifts the tower, and includes a sloped top designed to provide greater solar access to Civic Center Plaza. Exhibit A depicts the revised design proposal.

Pursuant to conversations with the San Francisco Planning Department and the 30 Van Ness Avenue Project Sponsor (Lendlease), Prevision Design has prepared this update memo detailing the resulting change in shadow effects on Civic Center Plaza as related to the revised proposal.

The version of the 30 Van Ness Avenue Project analyzed as part the previous shadow analysis report (hereafter the "prior proposal") would result in net new shadow cast on Civic Center Plaza, adding approximately 468,349 net new annual square foot-hours (sfh) of shadow and increasing the sfh of shadow by approximately 0.056 percent annually above current levels.[1] This increase would result in a new annual total shadow load of approximately 10.257 percent. Net new shadow from the prior

[1] As noted in the previous shadow analysis report, annual percentages of existing shadow as listed may vary from what has been reported within past shadow analysis reports for other projects. In 2016 updated technical direction regarding solar angles and in 2017 the geographic boundaries of many parks were revised and re-issued by SF Planning, both which altered the calculated existing shadow loads of many parks. Additionally, due to the large number of data sample, rounding, extrapolation and unavoidable minor variations that occur in the software simulation process, even under identical model conditions minor discrepancies (typically under 0.05%) in calculated values may occur.

proposal would occur for up to 90 minutes in the early afternoon between approximately November 16 and January 24. Table 1 summarizes the findings of the previous shadow report. Net new shadow from the prior proposal would fall along a southern portion of the park, affecting several grassy areas, portions of the southern children's playground, the café kiosk area, and several paved walkways.

NEW SHADOW CAST BY THE PRIOR 30 VAN NESS PROJECT PROPOSAL	CIVIC CENTER PLAZA
Annual net new shadow on Civic Center Plaza as percentage of TAAS (in sfh)	0.056% (468,349 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	10.257% (85,121,506 sfh)
Approximate dates annually net new shadow would affect Civic Center Plaza	Approx. Nov 16 - Jan 24 (58-70 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.721% (12,190 sfh)
Date(s) and time of largest single area of net new shadow	Dec 20/Dec 21 at 1:45 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 11,227 sf (0.0%-5.0% of total area)
Average size of net net shadows, when present	4,955.55 sf (2.2% of total area)
Range in daily duration of net new shadow (+/- 13 min) / Average duration when present	Zero to 90 min / Approx. 84 min.
Date and duration of longest duration of new shading (duration variance +/- 13 min.)	Approx. 90 min on Nov 29 & Jan 11

TABLE 1: Quantitative Shadow Effects of Prior Proposal

Prevision conducted a revised shadow analysis of Civic Center Plaza based on the revised proposal (see Table 2). Similar to the prior proposal, the days of maximum net new shadow on the park due to the revised proposal would occur on December 20 and 21, when the revised proposal would shade a southern portion of the park starting just before 1 p.m. and move eastward across the park over the course of approximately 90 minutes. The duration of the net new shadow would vary throughout the year, with net new shadow lasting between zero and 90 minutes, with an average duration of about 70 minutes across all affected dates. As shown in Table 1, the largest single net new shadow cast by the prior proposal would occur at 1:45 p.m. on December 20 and 21 and cover up to approximately 11,227 sf-equivalent (up to 5 percent) of the total area of Civic Center Plaza. Throughout the affected period, the average size of shadows, when present, would be 4,955.55 sf, or about 2.2 percent, of the total park area.

NEW SHADOW CAST BY THE REVISED 30 VAN NESS AVENUE PROJECT PROPOSAL	CIVIC CENTER PLAZA
Annual net new shadow on Civic Center Plaza as percentage of TAAS (in sfh)	0.004% (29,748 sfh)
Combined total annual shadow from existing + Project as percentage of TAAS (in sfh)	10.205% (84,682,904 sfh)
Approximate dates annually net new shadow would affect Civic Center Plaza	Approx. Nov 30 - Jan 10 (30-42 days)
Dates of maximum new shading from proposed Project (max sfh)	Dec 20 & Dec 21
Net new shadow on max date(s) as percentage of Theoretical Daily Available Sunlight (in sfh)	0.072% (1,219 sfh)
Date(s) and time of largest single area of net new shadow	Dec 13/Dec 28 at 2:00 PM
Range in area(s) of net new Project shadow (percentage of total area)	Zero to 1,219 sf (0.0%-0.5% of total area)
Average size of net net shadows, when present	629.52 sf (0.3% of total area)
Range in daily duration of net new shadow (+/- 13 min) / Average duration when present	Zero to 90 min / Approx. 70 min.
Date and duration of longest duration of new shading (duration variance +/- 13 min.)	Approx. 90 min on Dec 20 & Dec 21

TABLE 2: Quantitative Shadow Effects of Revised Proposal

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The revised version of the 30 Van Ness Avenue Project would also result in net new shadow cast on Civic Center Plaza, however, the revised proposal would add approximately 29,748 net new annual sfh of shadow (a reduction of 438,601 sfh as compared to the prior proposal) which would increase the sfh of shadow by 0.004 percent annually above current levels but would be 0.052 percent less than under the prior proposal. This increase would result in a new annual total shadow load of 10.205 percent. Similar to the prior proposal, net new shadow from the revised proposal would occur for up to 90 minutes in the early afternoon. However, net new shadow from the revised proposal would occur between approximately November 30 and January 10, which is approximately 18 fewer affected days annually as compared to the prior proposal. Under the revised proposal net new shadow would fall along the southern edge of the park, affecting several grassy areas, the café kiosk area, and several paved walkways. The revised proposal would not cast any net new shadow on the southern children's play area which was affected by the prior proposal.

Consistent with the prior proposal, the dates of maximum net new shadow on the park due to the revised proposal would occur on December 20 and 21, when the 30 Van Ness Project would shade portions of the southern edge of the park starting just before 1 p.m. and move eastward across the park over the course of approximately 90 minutes. Though the dates and duration of maximum net new shadow are the same for the previous and revised proposals, under the revised proposal a smaller area would be affected. Consistent with the prior proposal, under the revised proposal the duration of the net new shadow would vary throughout the year, with net new shadow lasting between zero and 90 minutes, with an average duration of about 70 minutes across all affected dates. As shown in Table 2, the largest net new shadow cast by the revised proposal would occur at 2 p.m. on December 13 and 28 and cover up to approximately 1,219 sf-equivalent (up to 0.547 percent) of the total area of Civic Center Plaza. Throughout the affected period, the average size of shadows, when present, would be 629.52 sf, or about 0.3 percent, of the total park area.

While all areas within Civic Center Plaza would receive less net new shadow under the revised proposal relative to the prior proposal, the most substantial qualitative change in effect of the revised proposal would be the elimination of all net new shadow on the children's play area. Exhibit B graphically depicts the shadow conditions of the date of maximum quantitative shadow under the prior proposal and Exhibit C depicts the shadow conditions under the revised proposal.

NOTE: While the focus of this update memo is the change in shadow cast on Civic Center Plaza, it should be noted that the changes made to the design of the 30 Van Ness Avenue Project would also potentially alter the shadow effects of the project on other parks and open spaces that were identified as affected by project shadow under the previous shadow analysis report. The principal massing changes to the 30 Van Ness Avenue project involved a widening of the tower element in the east-west direction by approximately 10 feet along with a 15-foot eastward shift of the tower location and a reduction in the bulk of the top portion of the tower element where the top of the revised project is now sloped downward towards the north. A comparison diagram of the prior proposal as compared to the revised proposal is included as part of Exhibit A. Prevision Design was able to determine that while this revision would result in some small changes to shadow effects on other parks, the resulting changes to the

PREVISION DESIGN

quantitative shadow effects on other parks and open spaces would be either the same as, or less than, the shadow effects of the prior proposal as identified in the previous shadow analysis report.

Please advise if there are any questions regarding the information or findings described by this memo, or if additional analysis is required.

Sincerely,



Adam Phillips, Prevision Design

PREVISION DESIGN

EXHIBIT A

30 Van Ness Avenue Project: Revised Design Proposal

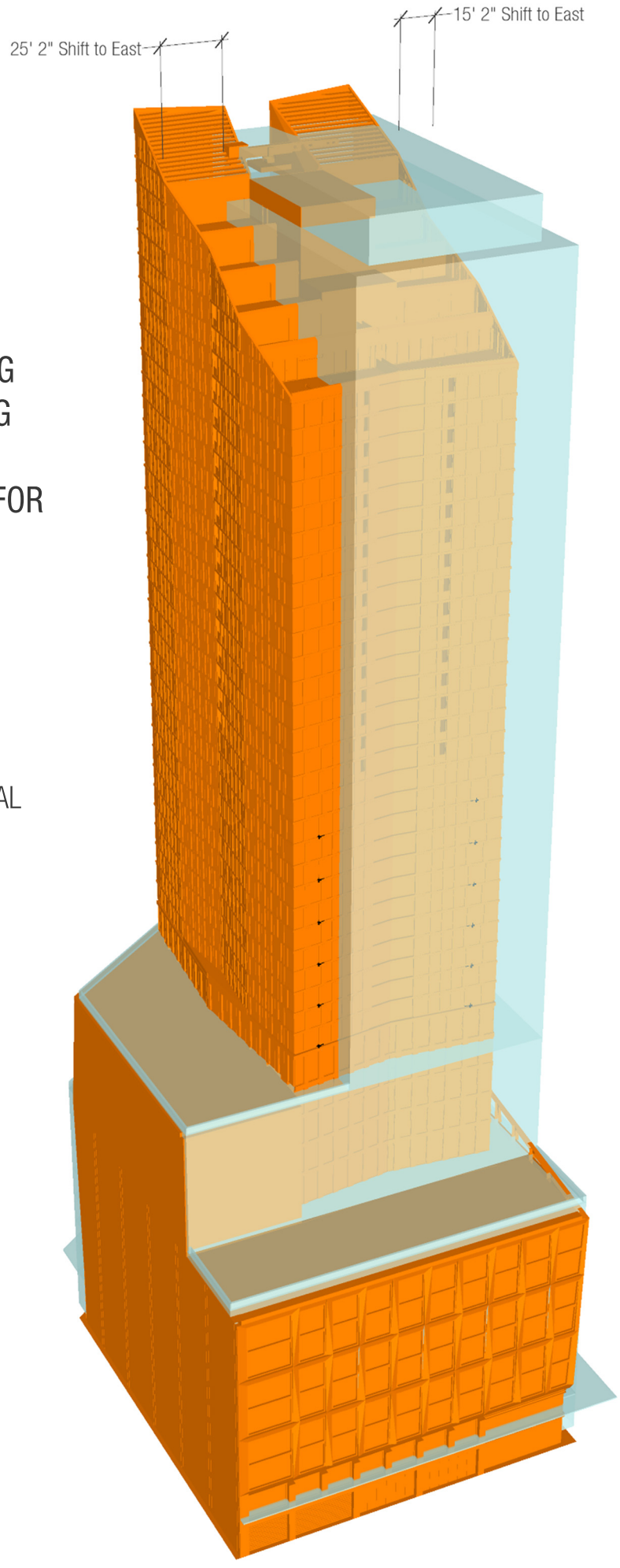
Project Drawing Set (selected sheets)

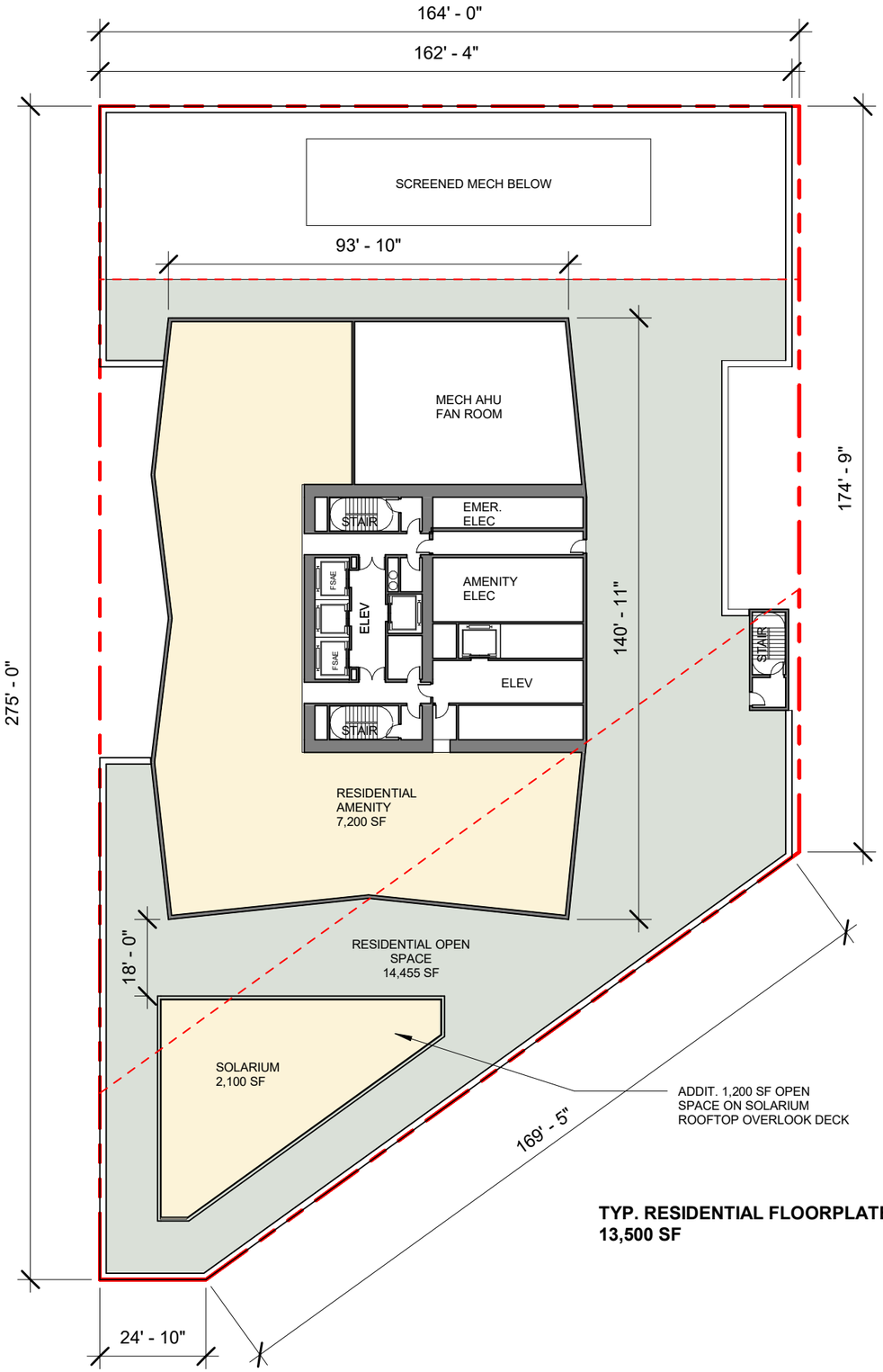
995 Market Street, 2nd Floor | San Francisco, CA 94103 | 415 498 0141

OVERLAY OF BUILDING MASSING COMPARING PRIOR PROPOSAL VS. REVISED PROPOSAL FOR THE 30 VAN NESS AVENUE PROJECT

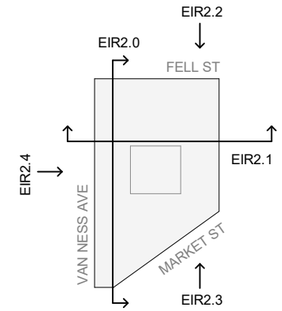
PRIOR PROPOSAL

REVISED PROPOSAL





TYP. RESIDENTIAL FLOORPLATE:
13,500 SF



NOTE: DRAWING
ILLUSTRATIVE OF SCOPE
AND SUBJECT TO CHANGE

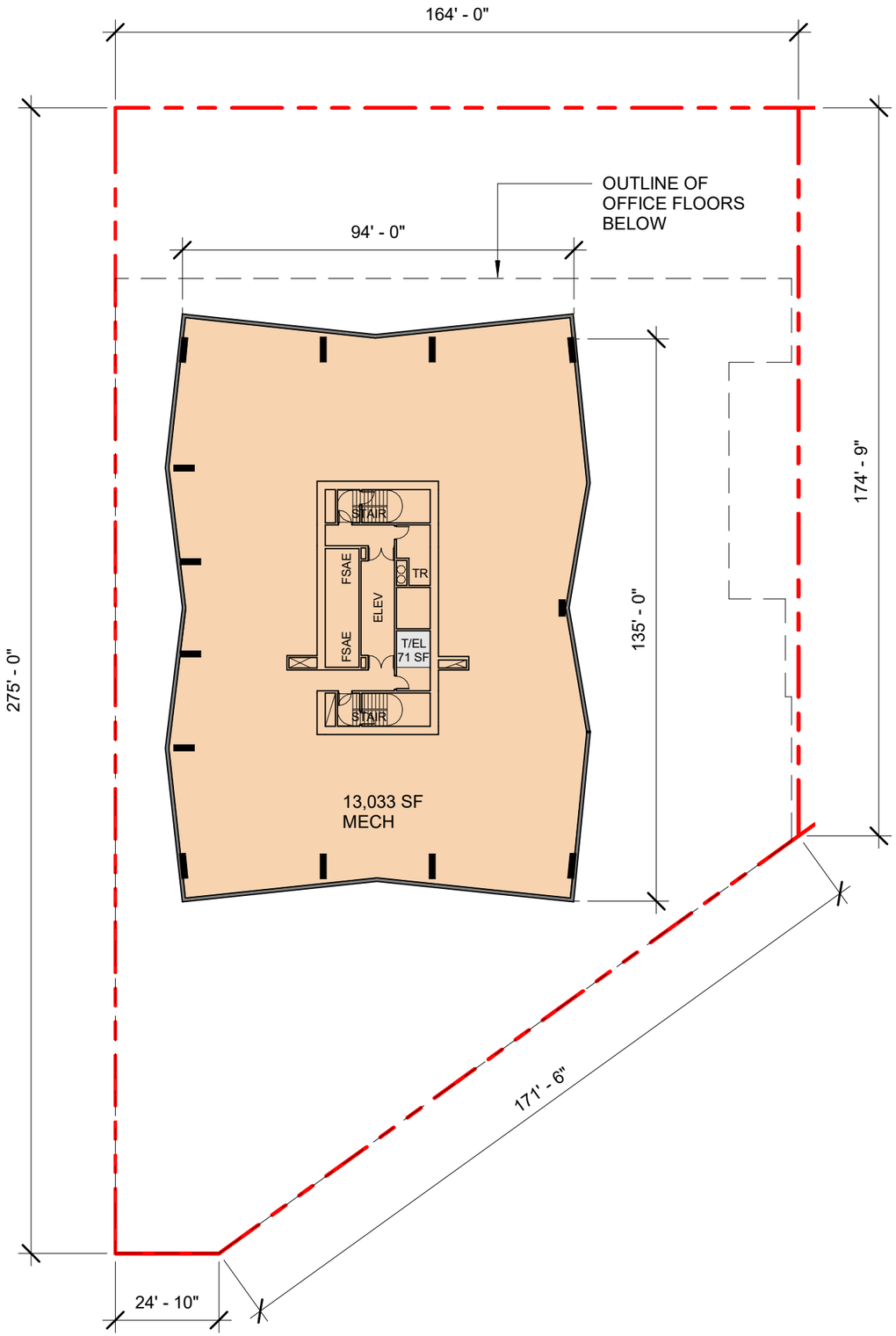
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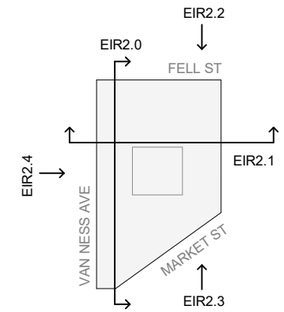
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RESIDENTIAL AMENITY FLOOR PLAN LVL 13
30 Van Ness
30 Van Ness Development, LLC

2018024.000

EIR1.6





NOTE: DRAWING
ILLUSTRATIVE OF SCOPE
AND SUBJECT TO CHANGE

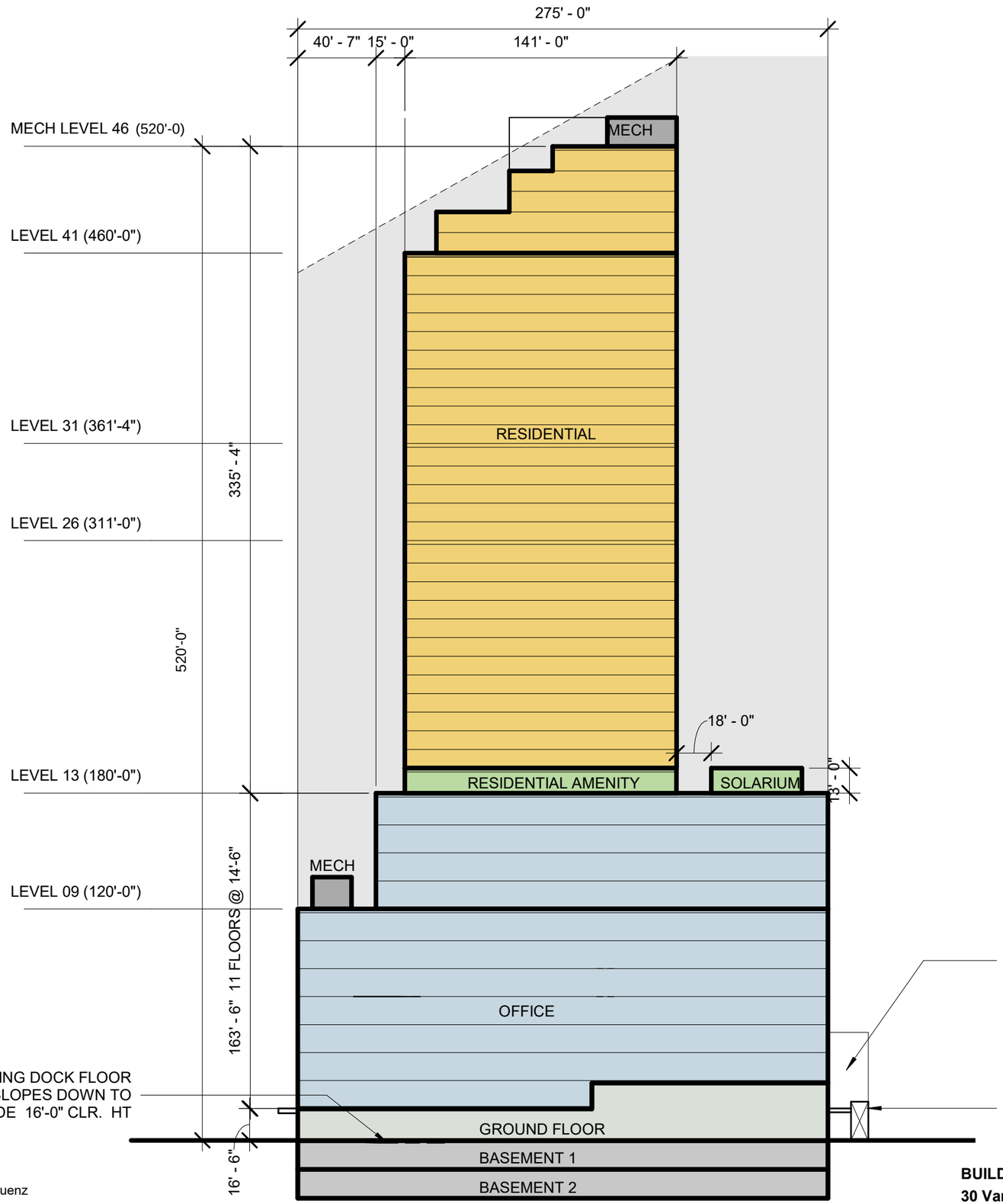
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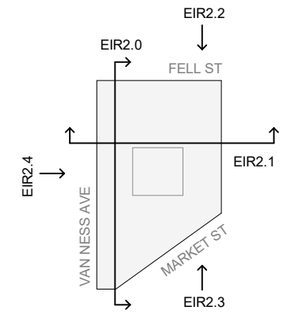
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ROOF PLAN
30 Van Ness
30 Van Ness Development, LLC

2018024.000

EIR1.8





NOTE: DRAWING
ILLUSTRATIVE OF SCOPE
AND SUBJECT TO CHANGE

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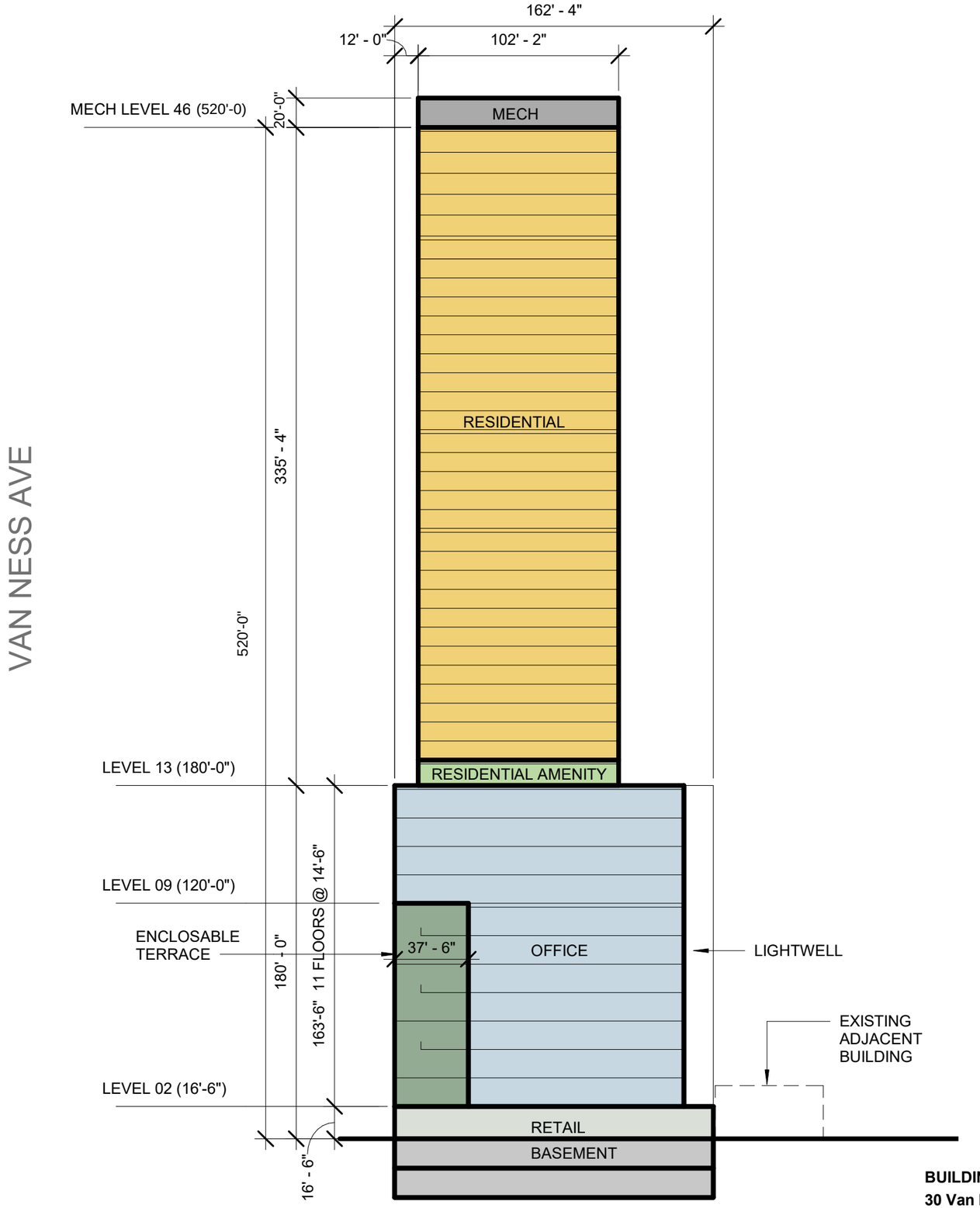
SCB

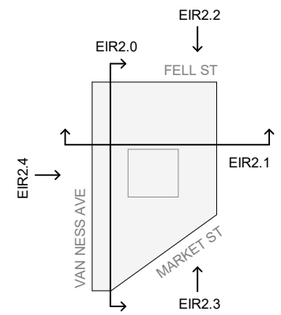
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BUILDING SECTION
30 Van Ness
30 Van Ness Development, LLC

2018024.000

EIR2.0





NOTE: DRAWING ILLUSTRATIVE OF SCOPE AND SUBJECT TO CHANGE

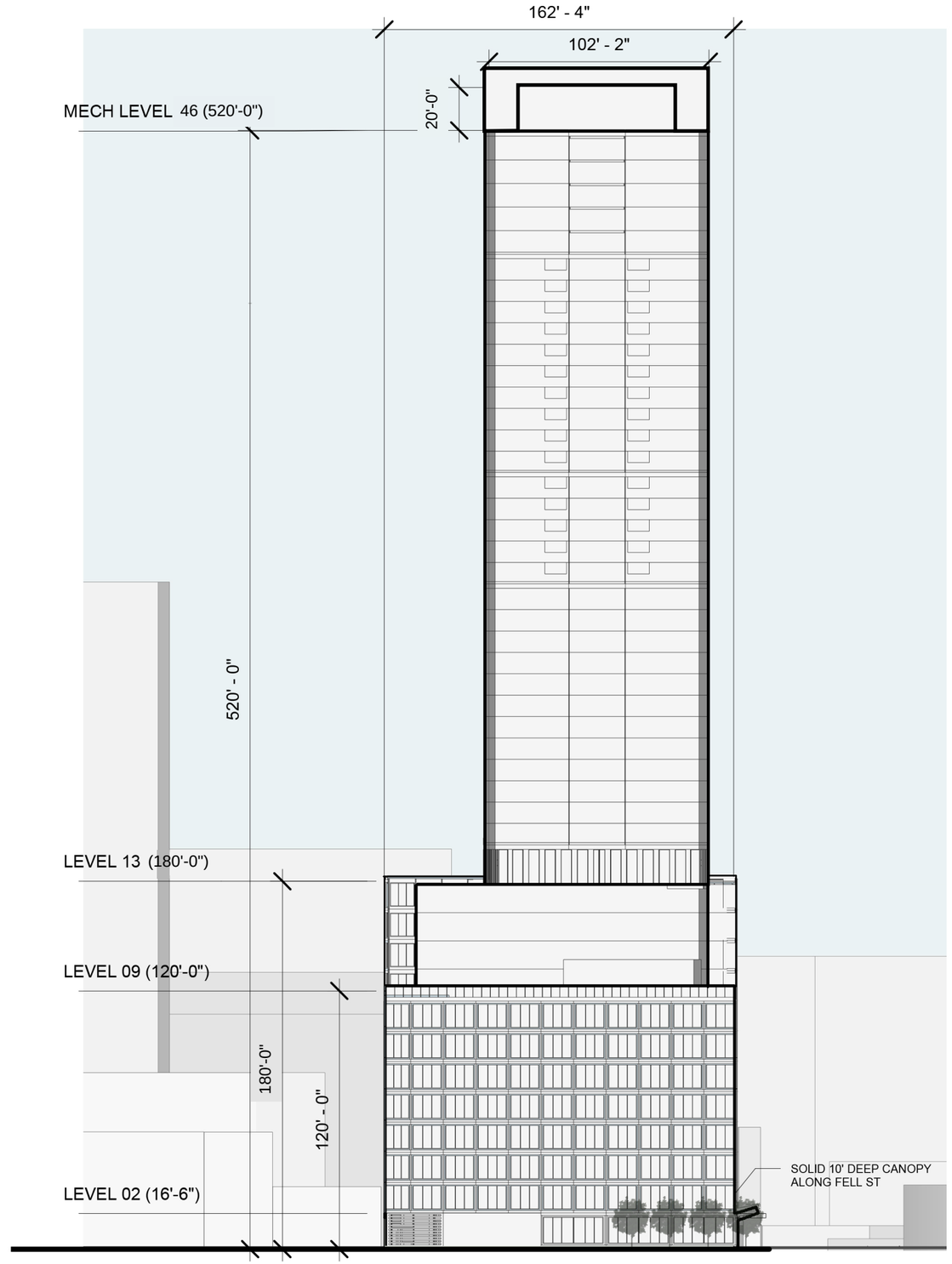
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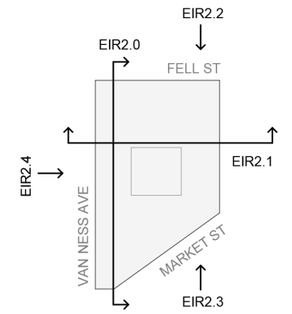
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BUILDING SECTION
30 Van Ness
30 Van Ness Development, LLC

2018024.000

EIR2.1





NOTE: DRAWING ILLUSTRATIVE OF SCOPE AND SUBJECT TO CHANGE

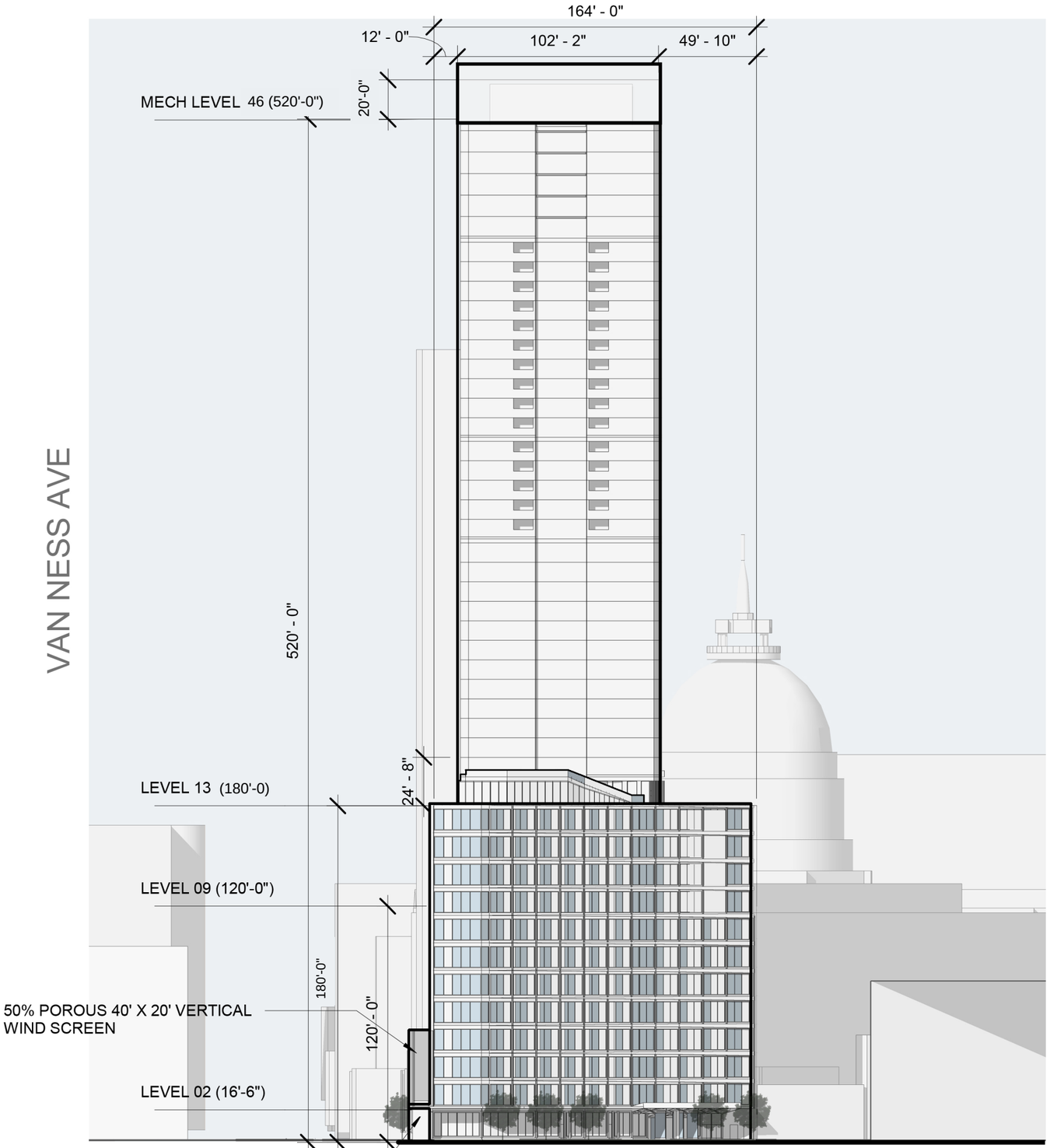
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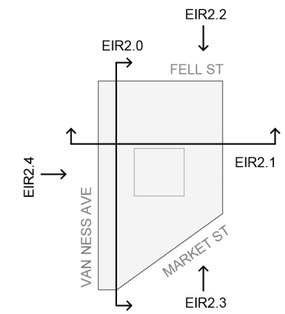
© 2019 Solomon Cordwell Buenz

NORTH ELEVATION (FELL ST)
30 Van Ness
30 Van Ness Development, LLC

2018024.000

EIR2.2





NOTE: DRAWING
ILLUSTRATIVE OF SCOPE
AND SUBJECT TO CHANGE

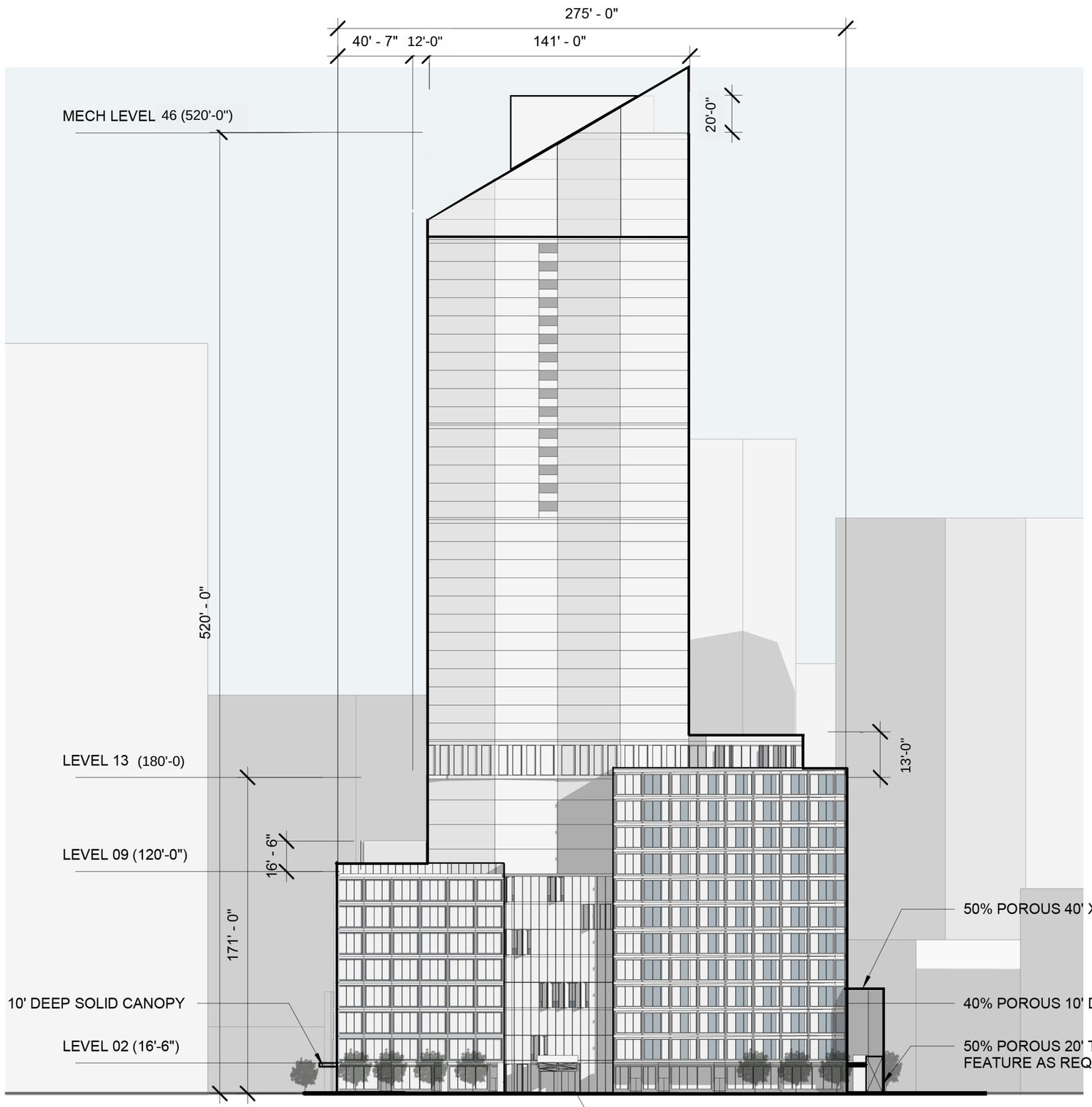
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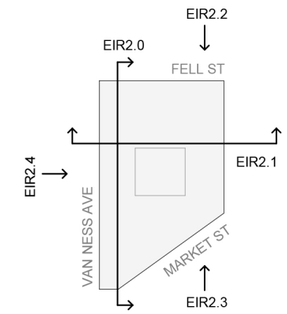
SOUTH ELEVATION (MARKET ST)
30 Van Ness
30 Van Ness Development, LLC

© 2019 Solomon Cordwell Buenz

2018024.000

EIR2.3





NOTE: DRAWING ILLUSTRATIVE OF SCOPE AND SUBJECT TO CHANGE

0 30 60

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WEST ELEVATION (VAN NESS AVE)
30 Van Ness
30 Van Ness Development, LLC

2018024.000

EIR2.4

PREVISION DESIGN

EXHIBIT B

30 Van Ness Avenue Project: Prior Proposal

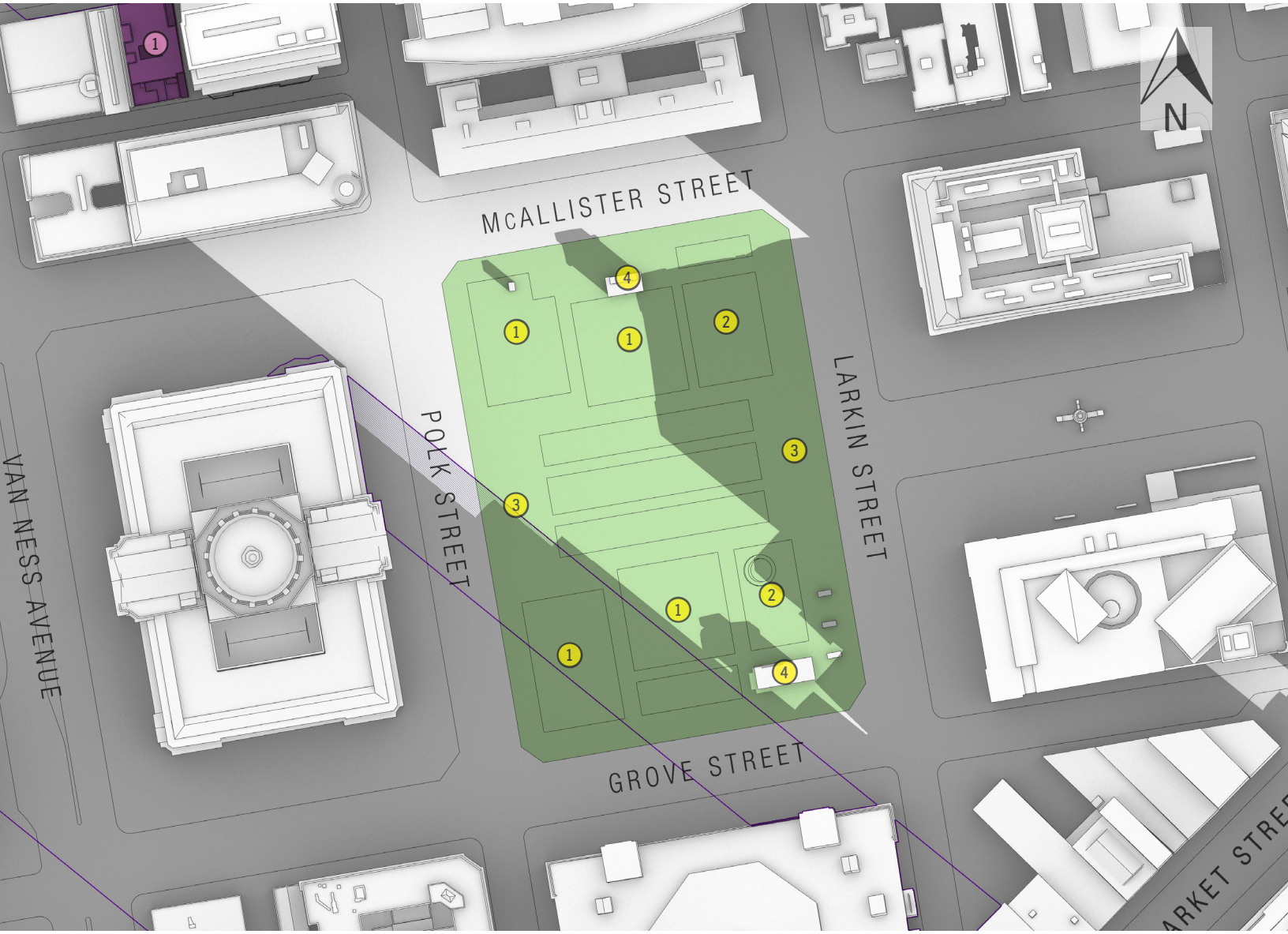
Shadow Diagrams on date of maximum net new shadow (December 20) on Civic Center Plaza

995 Market Street, 2nd Floor | San Francisco, CA 94103 | 415 498 0141

PREVISION DESIGN

B1 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

8:19 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features
1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects
1. 555 Golden Gate Avenue

PREVISION DESIGN

B2 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

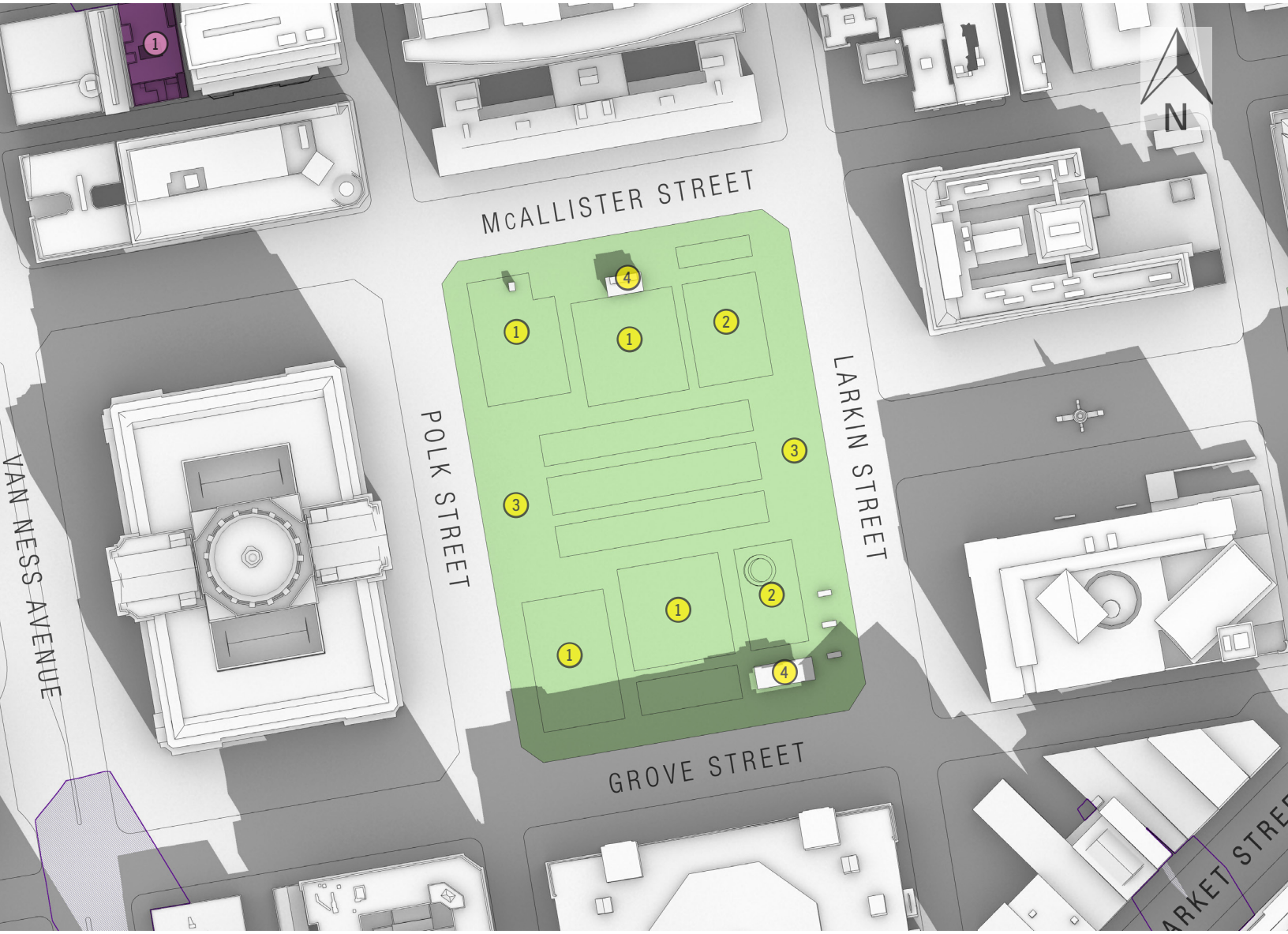
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B3 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B4 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

11:00 AM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B5 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B6 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:15 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B7 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B8 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B9 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B10 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:15 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B11 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

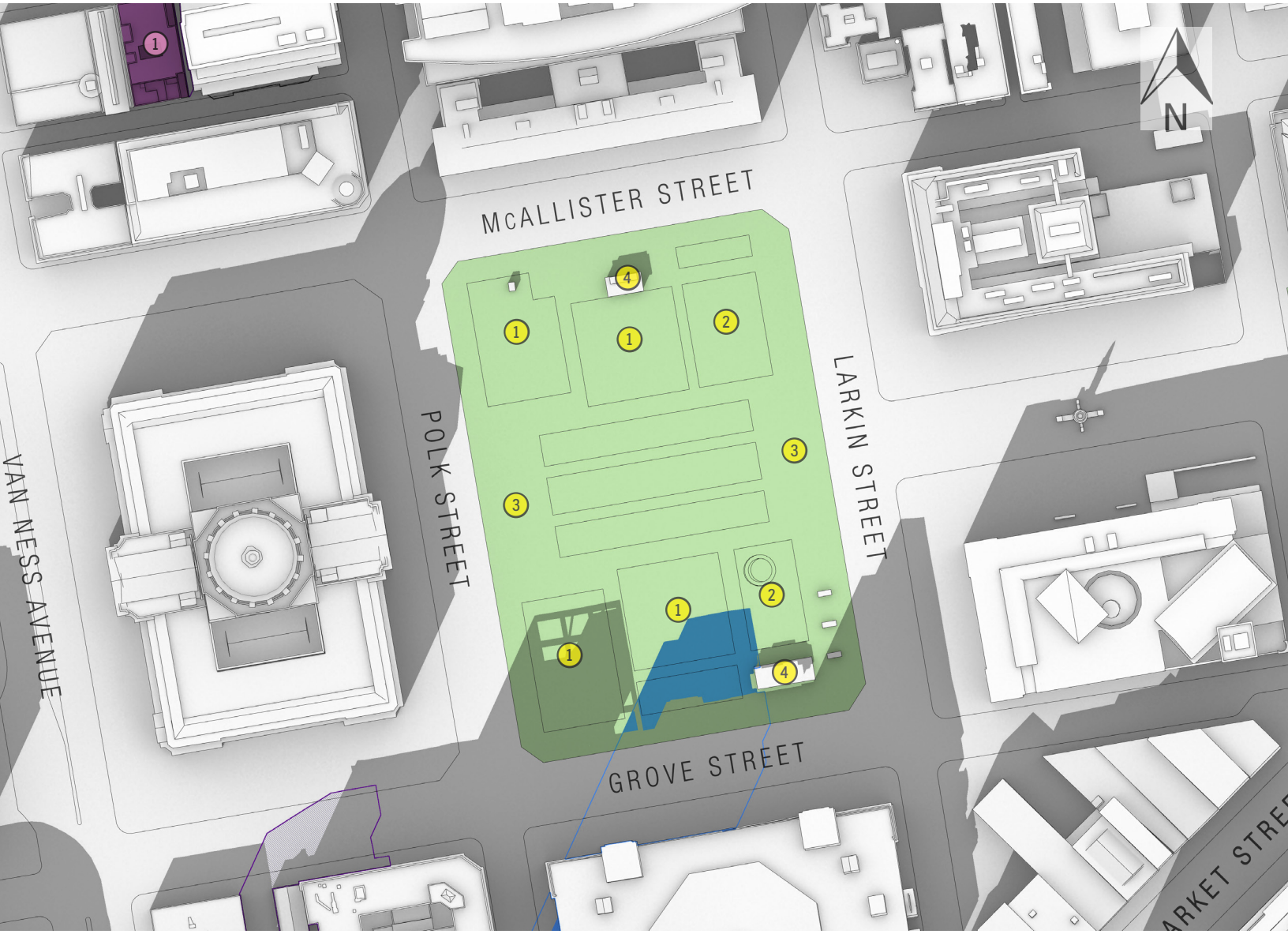
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B12 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:45 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

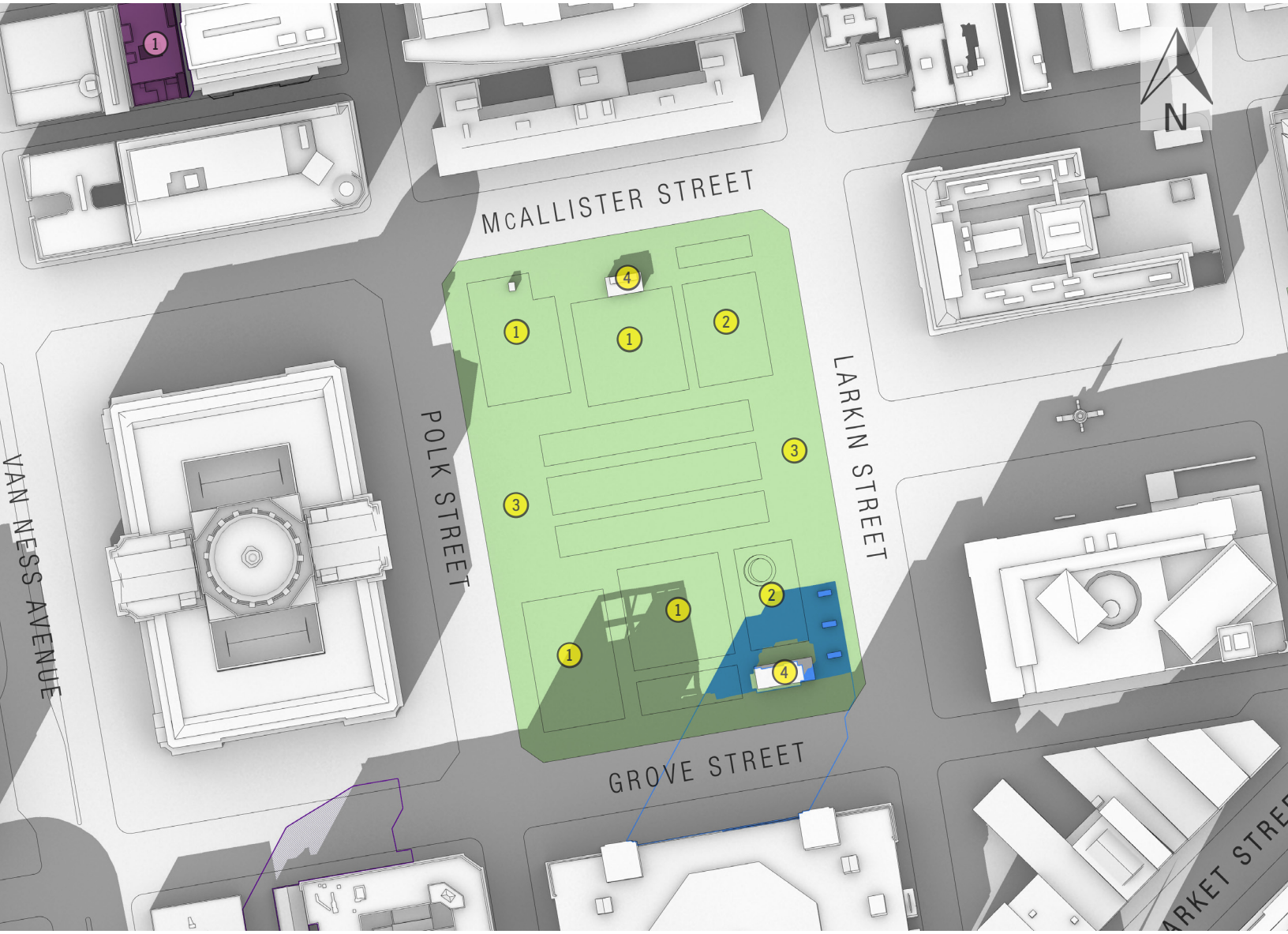
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B13 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B14 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:15 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

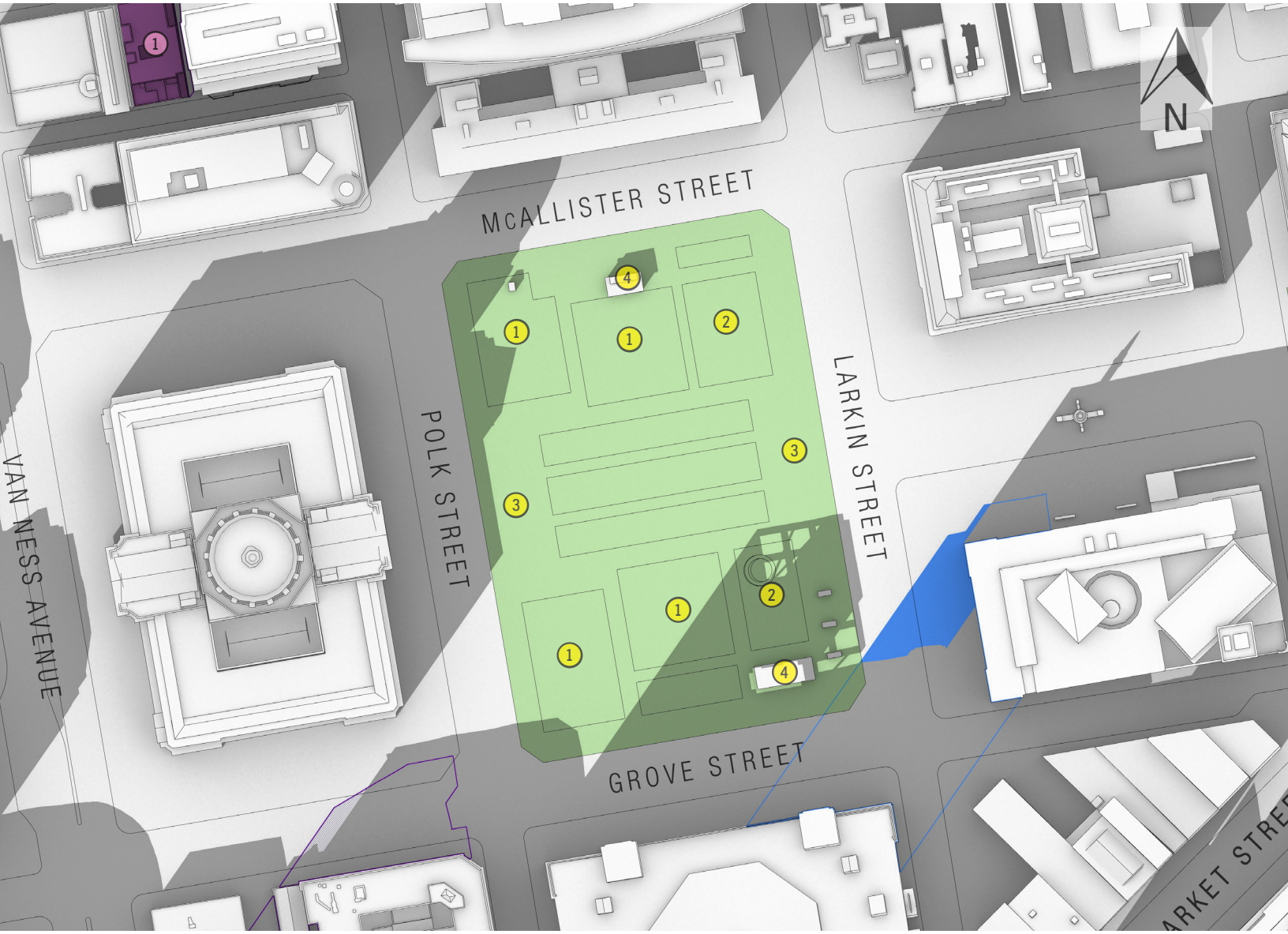
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B15 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B16 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

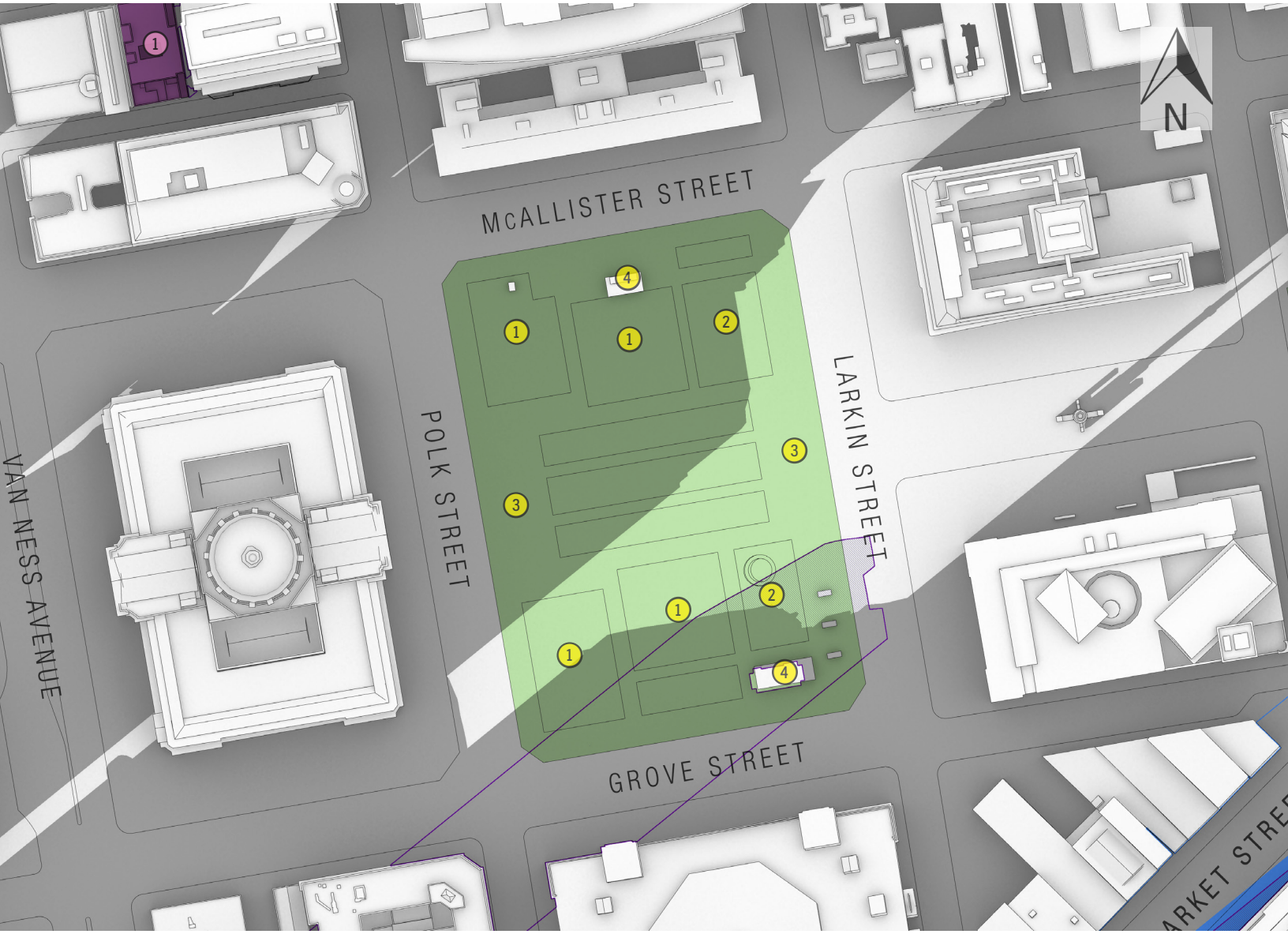
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

B17 30 VAN NESS PROJECT - PRIOR PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:54 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

EXHIBIT C

30 Van Ness Avenue Project: Revised Proposal

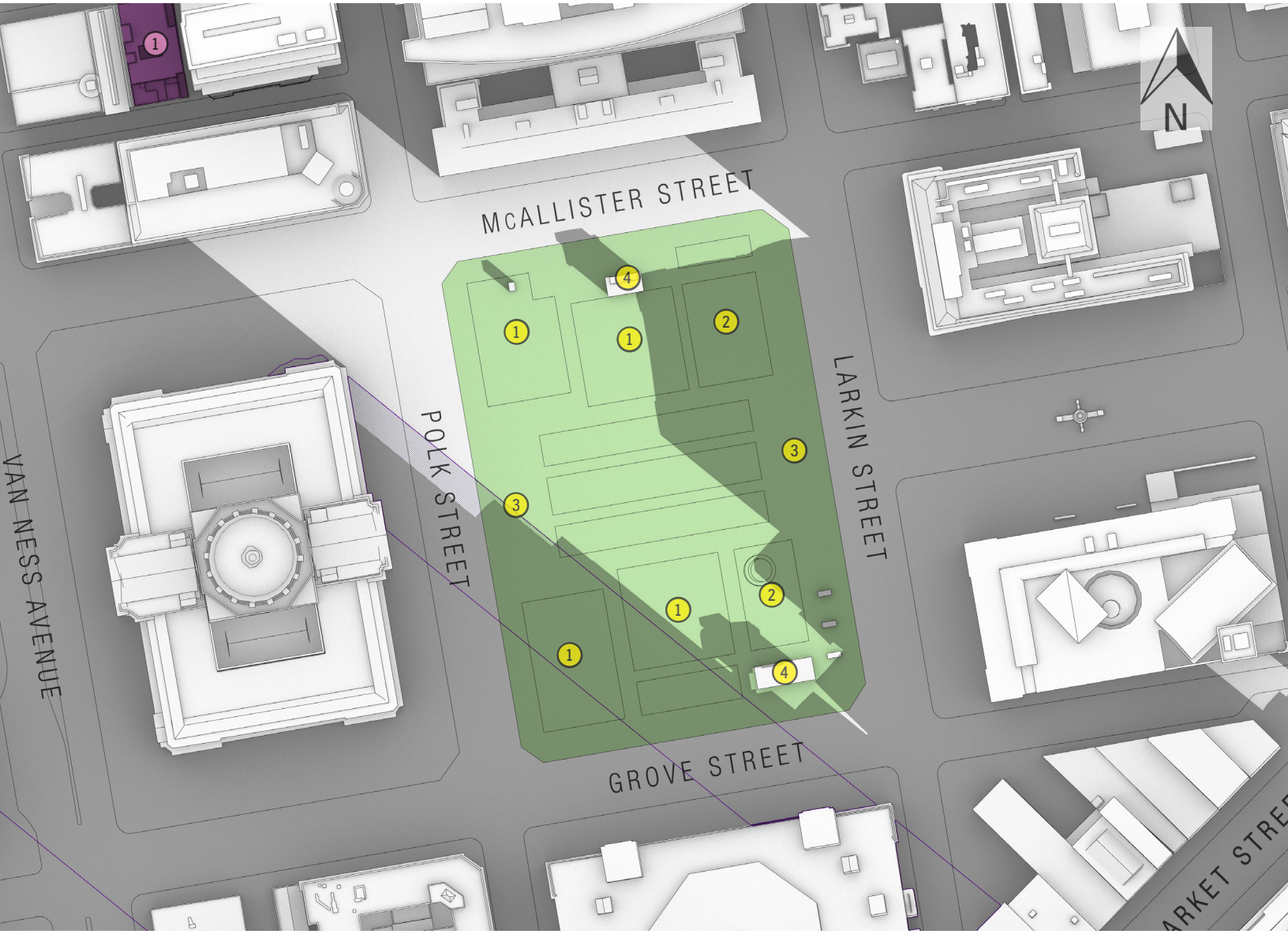
Shadow Diagrams on date of maximum net new shadow (December 20) on Civic Center Plaza

995 Market Street, 2nd Floor | San Francisco, CA 94103 | 415 498 0141

PREVISION DESIGN

C1 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

8:19 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C2 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

9:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

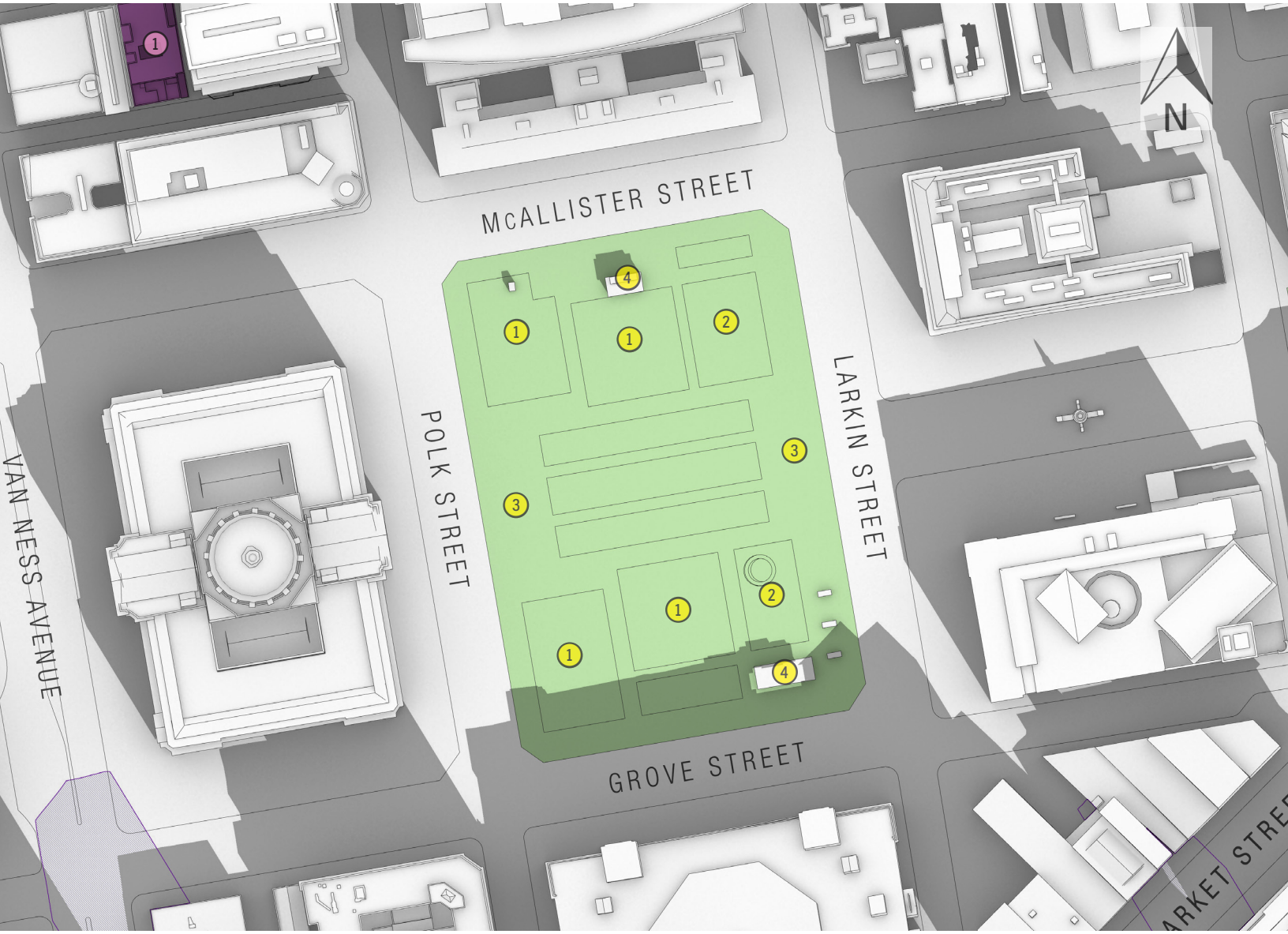
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C3 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

10:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C4 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

11:00 AM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C5 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C6 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C7 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C8 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

12:45 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C9 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C10 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

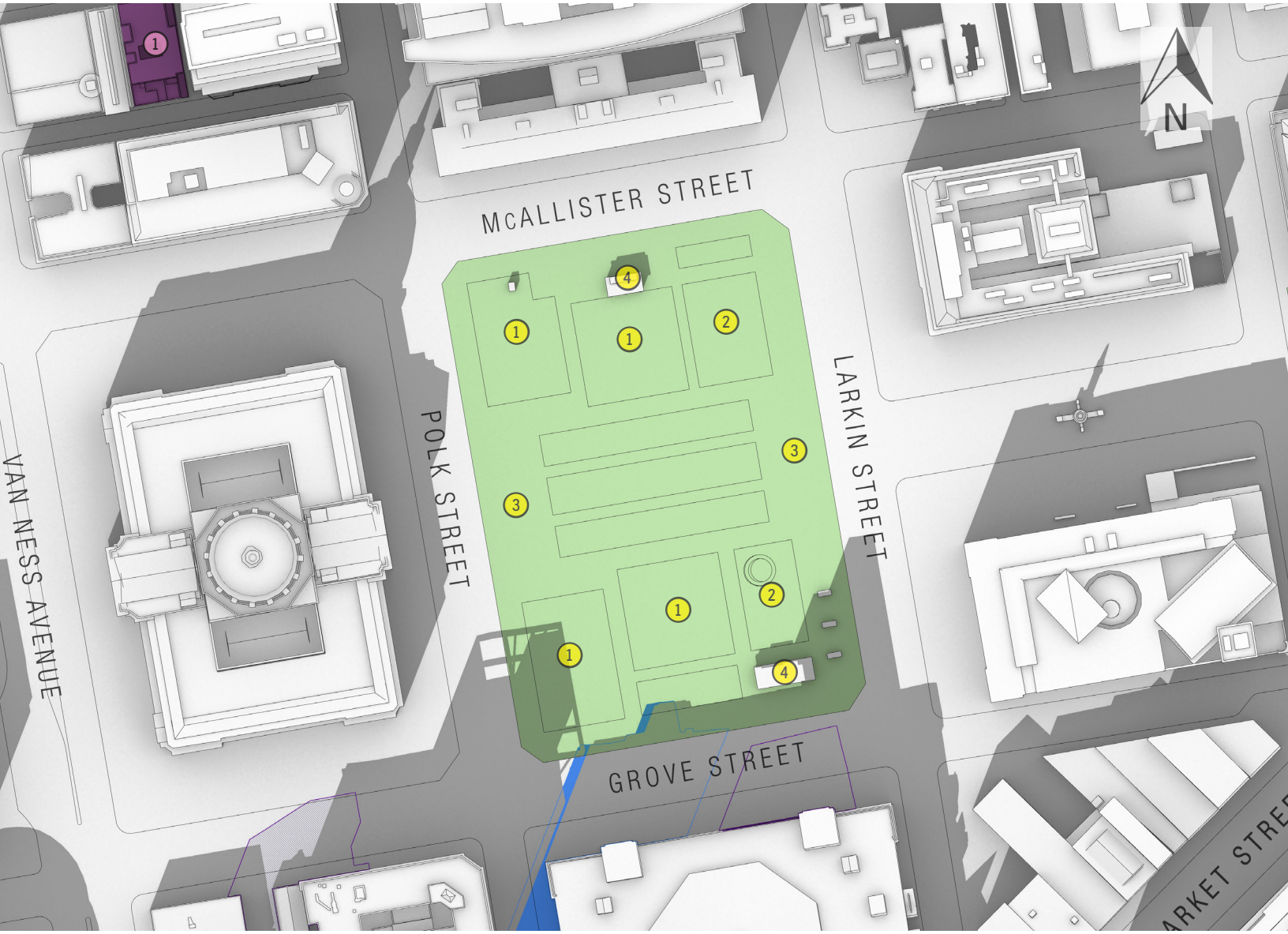
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C11 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
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4. Park Buildings

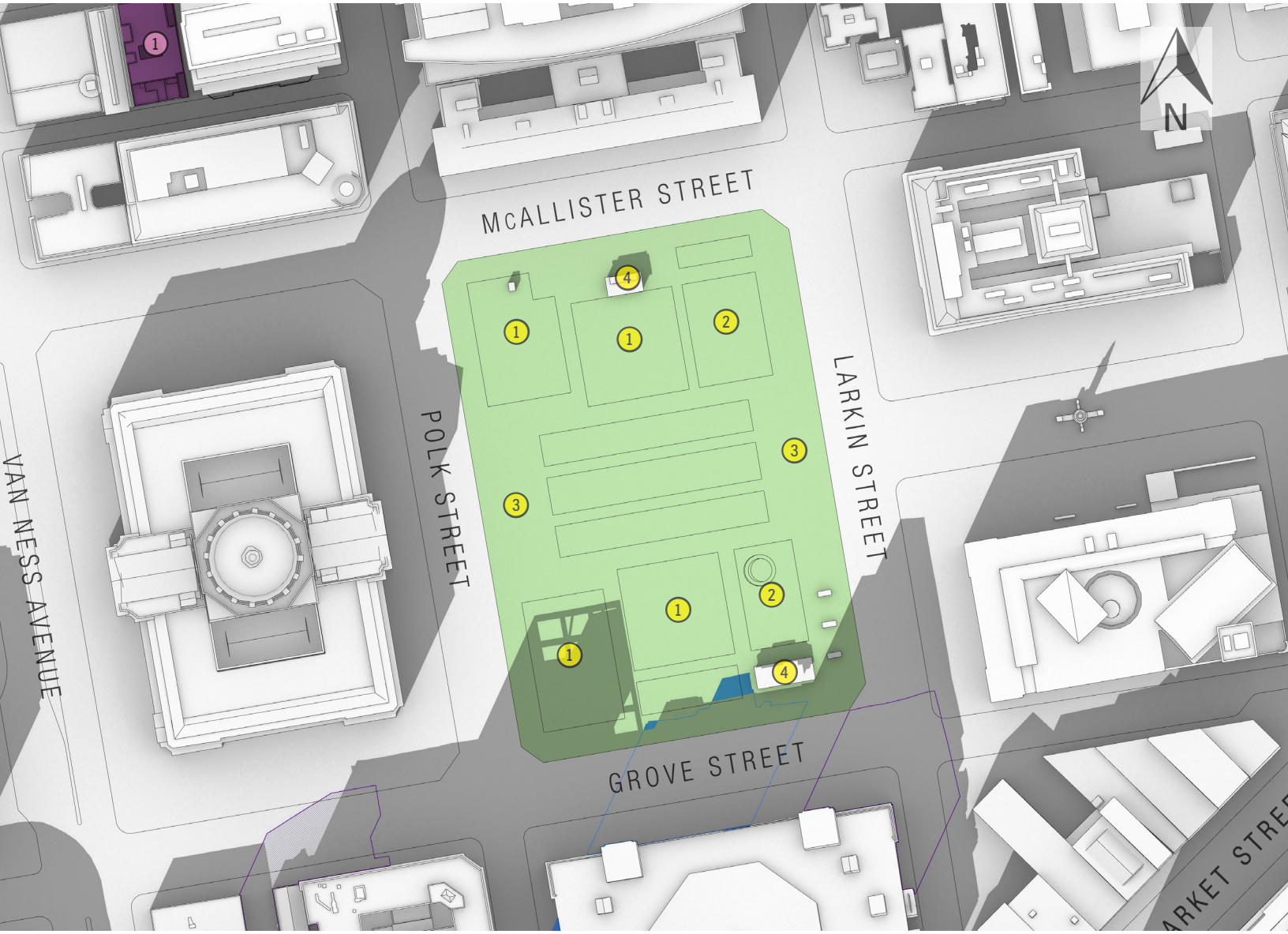
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C12 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

1:45 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
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3. Paved/Hardscape
4. Park Buildings

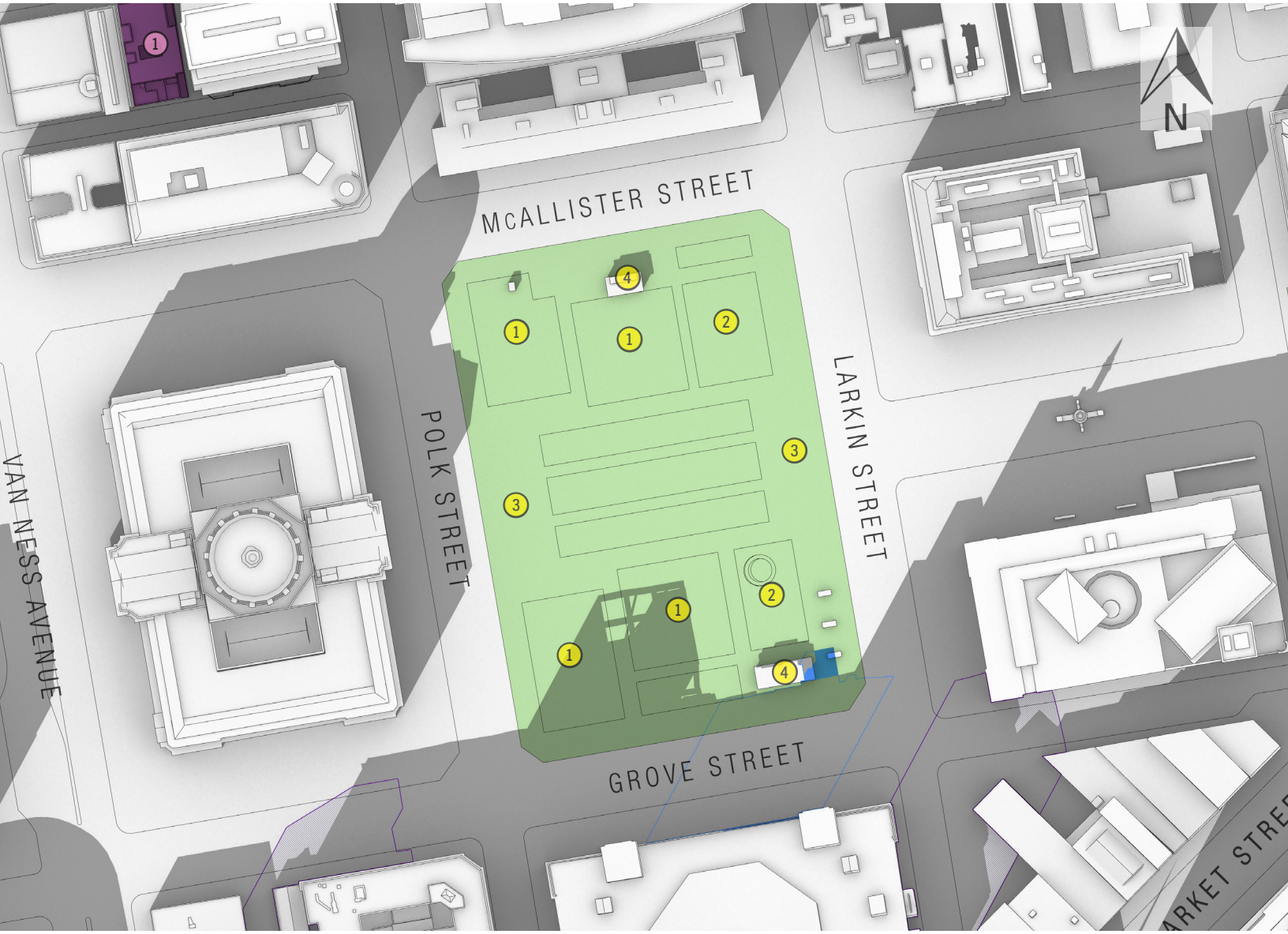
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C13 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:00 PM

The Hub Plan Sites
Existing (current) Shadows
Net New Shadow from 30 Van Ness Avenue
New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C14 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:15 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C15 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

2:30 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

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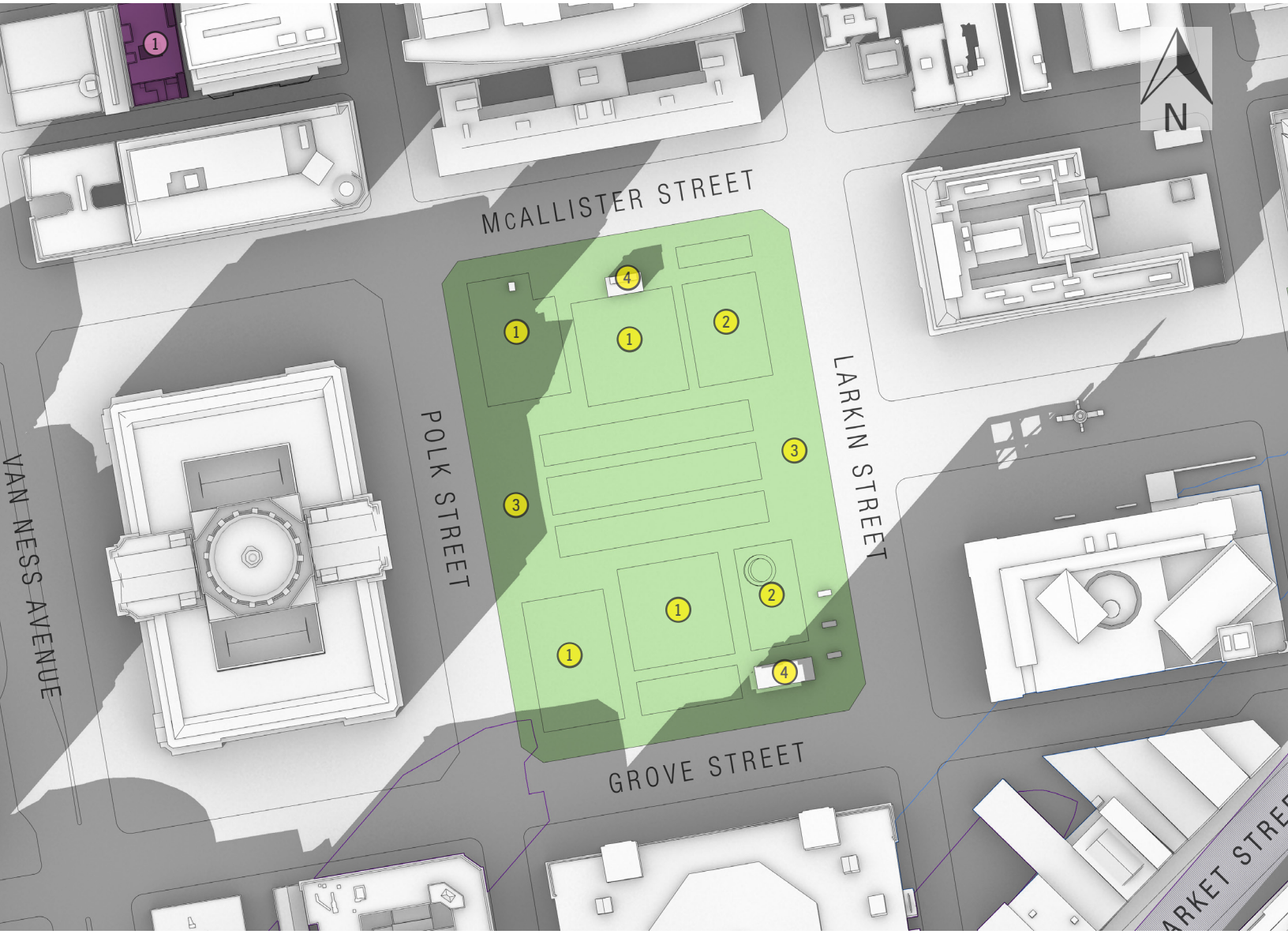
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C16 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:00 PM

- The Hub Plan Sites
- Existing (current) Shadows
- Net New Shadow from 30 Van Ness Avenue
- New Shadow from Cumulative Projects

Civic Center Plaza Features

1. Grass/Lawn Areas
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3. Paved/Hardscape
4. Park Buildings

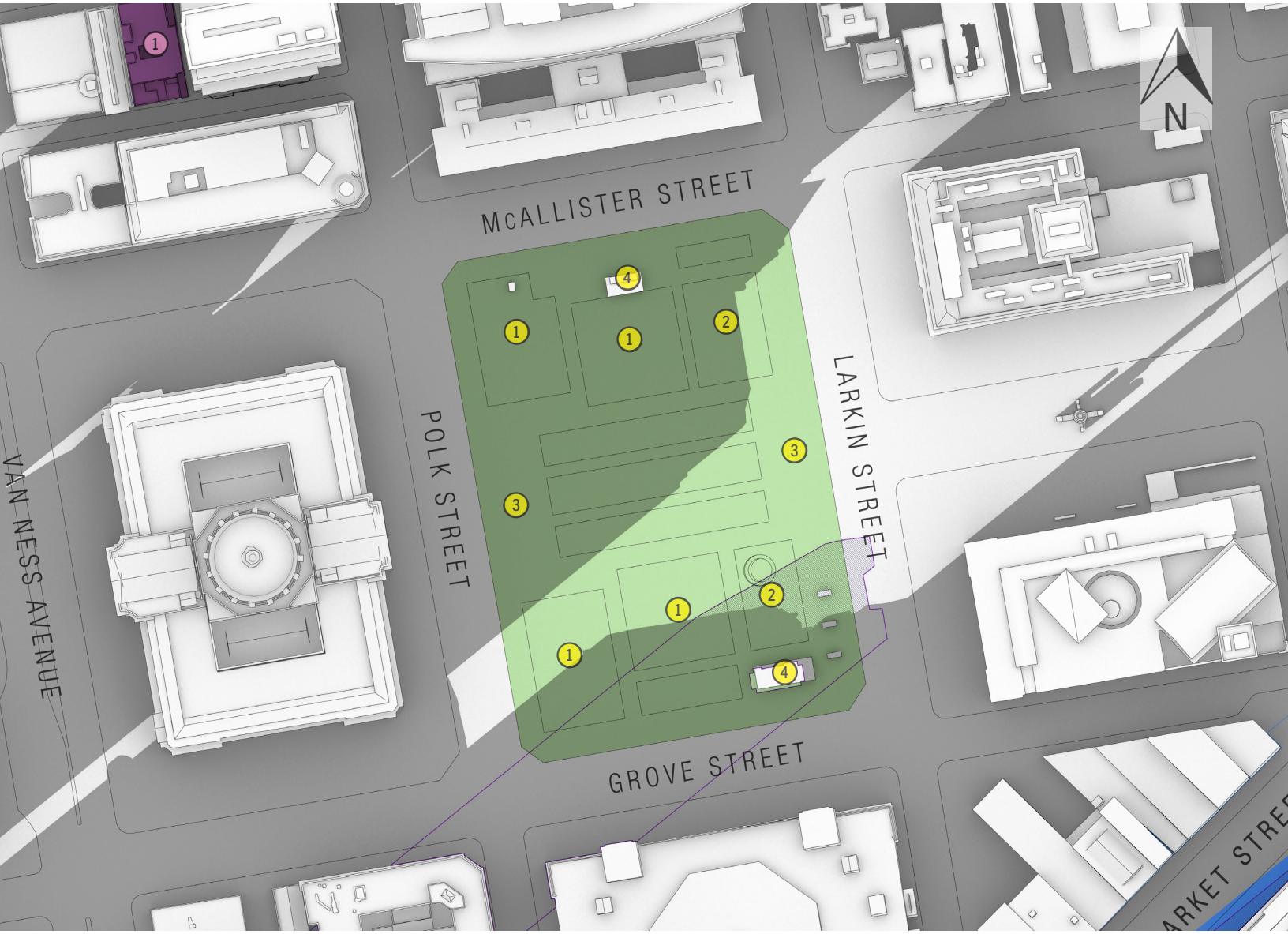
Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

C17 30 VAN NESS PROJECT - REVISED PROPOSAL

Date of maximum net new shadow on Civic Center Plaza



WINTER SOLSTICE
DECEMBER 20

3:54 PM

- The Hub Plan Sites
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- Net New Shadow from 30 Van Ness Avenue
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Civic Center Plaza Features

1. Grass/Lawn Areas
2. Children's Play Areas
3. Paved/Hardscape
4. Park Buildings

Cumulative Projects

1. 555 Golden Gate Avenue

PREVISION DESIGN

EXHIBIT A

30 Van Ness Avenue Project: Revised Design Proposal

Project Drawing Set (selected sheets)

995 Market Street, 2nd Floor | San Francisco, CA 94103 | 415 498 0141

PREVISION DESIGN

EXHIBIT B

30 Van Ness Avenue Project: Prior Proposal

Shadow Diagrams on date of maximum net new shadow (December 20) on Civic Center Plaza

995 Market Street, 2nd Floor | San Francisco, CA 94103 | 415 498 0141

PREVISION DESIGN

EXHIBIT C

30 Van Ness Avenue Project: Revised Proposal

Shadow Diagrams on date of maximum net new shadow (December 20) on Civic Center Plaza

995 Market Street, 2nd Floor | San Francisco, CA 94103 | 415 498 0141

APPENDIX H-3
170 OTIS STREET SHADOW UPDATE MEMORANDUM

PREVISION DESIGN

TO: Ms. Alana Callagy, Planner
San Francisco Planning Department
1650 Mission Street, Suite 400
San Francisco, CA 94103

FROM: Adam Phillips, Principal
Prevision Design
995 Market Street, 2nd Floor
San Francisco, CA 94103

DATE: April 22, 2019

RE: Changes in Hub Plan shadow due to proposed zoning height modification of 170 Otis Street

Ms. Callagy-

Prevision Design has been advised that Planning has modified the proposed height increase for the 170 Otis Street site under the Hub Plan, increasing the allowable zoning height of the portion of that site that had previously been set at 125-feet to a revised zoning height of 150-feet[1].

In order to determine whether or not this change in height would alter the findings of net new shadow effects relative to the 125-foot zoning envelope analyzed as per of the Hub Plan EIR shadow study, PreVision design modeled this additional 25-feet of height, added it to the 3D area model for the Hub Plan, and conducted a simple analysis to verify whether or not new shadow could change the amount or nature of net new shadow.

It was concluded that the shadow effects of this change would be as follows:

1. The change would incrementally increase the amount of net new shadow cast by the Hub Plan, however,
2. No publicly accessible open spaces affected by net new shadow cast by the Hub Plan would receive additional shadow due to this change.
3. No other publicly accessible open spaces that were not affected by net new shadow cast by the Hub Plan would receive net new shadow due to this change.

Please advise if there are any questions regarding the information or findings described by this memo, or if any additional analysis or deliverables are required.

Sincerely,

Adam Phillips
Prevision Design

[1] Zoning heights as reflected in Table 1 (Page 5) of final shadow analysis of the Hub Plan by Prevision Design (dated 2/11/19).