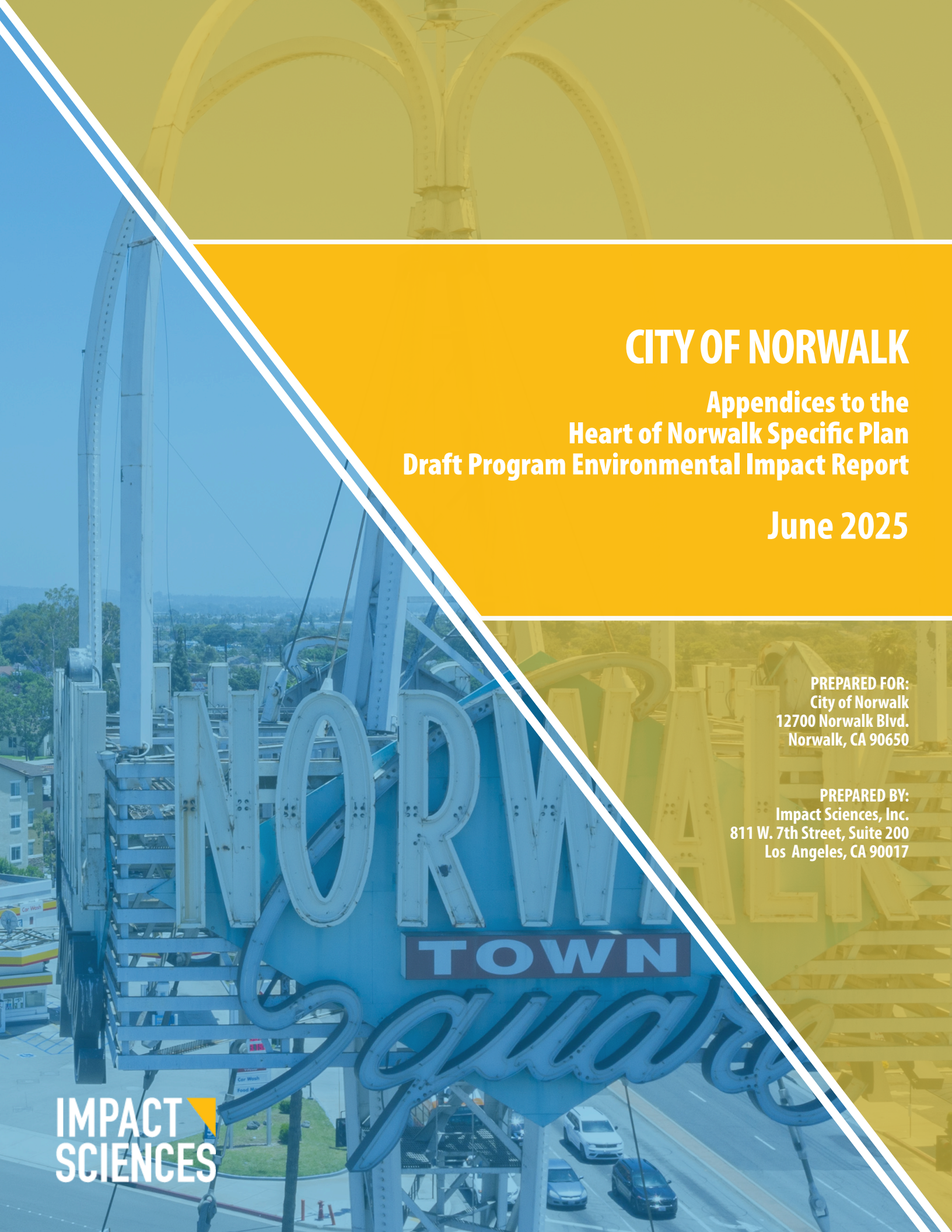

CITY OF NORWALK

Appendices to the Heart of Norwalk Specific Plan Draft Program Environmental Impact Report

June 2025

PREPARED FOR:
City of Norwalk
12700 Norwalk Blvd.
Norwalk, CA 90650

PREPARED BY:
Impact Sciences, Inc.
811 W. 7th Street, Suite 200
Los Angeles, CA 90017

IMPACT SCIENCES

APPENDIX 1.0-1

CEQA Notices and Response Letters

HEART OF NORWALK SPECIFIC PLAN PROJECT
PREPARATION OF ENVIRONMENTAL IMPACT REPORT AND PUBLIC SCOPING MEETING

THIS NOTICE WAS POSTED
ON April 03 2024
UNTIL May 03 2024
REGISTRAR – RECORDER/COUNTY CLERK

Lead Agency: City of Norwalk, Community Development Department

Project Applicant: City of Norwalk, Community Development Department

Notice of Preparation Review Period: Wednesday, April 3, 2024, to Friday, May 3, 2024

Scoping Meeting: Tuesday, April 23, 2024, 6:00 p.m. to 7:30 p.m., details below

Notice is hereby given that the City of Norwalk (City), as Lead Agency under the California Environmental Quality Act (CEQA), will prepare an environmental impact report (EIR) for the Heart of Norwalk Specific Plan Project (proposed project) pursuant to the California Public Resources Code, Division 13, Section 21000 et seq. (CEQA Statute), and the California Code of Regulations, Title 14, Division 6, Chapter 3, Section 15000 et seq. (CEQA Guidelines).

The purpose of this Notice of Preparation (NOP) is to (1) serve as a public notice pursuant to CEQA Guidelines Section 15082 that an EIR will be prepared; (2) advise and solicit comments and suggestions regarding the scope and content of the EIR to be prepared; and (3) provide notice of the public scoping meeting. The City is seeking your input regarding the scope and content of the EIR, including input on potentially significant environmental effects, mitigation measures, or project alternatives that should be explored in the EIR. If you represent a public agency, the City seeks input as to the scope and content of the environmental information that is germane to your agency's statutory responsibilities in connection with the proposed project.

Due to time limits mandated by state law, public agencies, members of the public, or any other interested parties are requested to respond to this NOP in writing no later than 30 days from the date of this NOP. The City will accept written comments regarding this NOP through the close of business on **Friday, May 3, 2024**. Please send all written comments, including emailed comments, to Carlos Rojas or Alexander Hamilton at the address below.

Project Location: The City is bordered by the cities of Downey to the northwest, Santa Fe Springs to the north and east, Artesia to the south, Cerritos to the south and west, and Bellflower to the west, as shown in Figure 1, Regional Context. The proposed specific plan area, or project site, consists of approximately 615 acres located at the center of the City. The project site is generally bound by the Imperial Highway to the north; Interstate 5 (I-5) Freeway to the east; Rosecrans Avenue to the south; and Pioneer Boulevard to the west, as shown in Figure 2, Plan Area. The Burlington Northern Santa Fe Railroad traverses the Plan Area from the north-east corner to the southeast corner.

Description: The City will prepare an EIR to analyze environmental impacts associated with implementation of the proposed project, which would include the establishment of the Heart of Norwalk Specific Plan. The purpose of the Specific Plan is to revitalize the underutilized corridors within the center of the City and spur development of new commercial and residential uses, while balancing place making and open spaces. Some of the key themes of the Specific Plan revolve around: making places, connecting with corridors, and supporting the social element. These environments would incorporate a variety of urban residential uses, places to walk and spend time, nightlife and spaces that can encourage and celebrate local culture, such as performing arts spaces.

The Specific Plan includes land use, zoning, and street improvement changes that will facilitate new community-supporting development. In general, the Specific Plan:

- Identifies three new framework districts that preserve the City of Norwalk's visual and cultural character, including a Front Street Historic District, Town Square District, and Triangle District:
- Reconfigures Front Street as one-way to prioritize pedestrian safety and divert traffic to Firestone Boulevard.
- Reconfigures San Antonio Drive (San Antonio Corridor) to create a linear park with neighborhood-serving amenities to provide an ideal walking, biking and driving connection between Norwalk Town Square, Front Street and the Civic Center.
- Redevelops Firestone Boulevard (Firestone Corridor) into a green urban boulevard that supports new residential and commercial development.
- Establishes the Norwalk Railway Corridor Rail Trail which provides a greenway parallel to the existing railroad to provide a landscaped trail with planted walkways, artwork, and cultural exhibitions to provide an inviting and safe environment for pedestrians and cyclists.
- Implements a new pedestrian and bicycle path running adjacent to the Southern Pacific Railroad right-of-way and provides a connection to the regional recreational Rail Trail.

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Electronically signed by VALERIE VALADEZ

Potential Environmental Effects: The City will prepare a comprehensive EIR that evaluates all potentially significant environmental impacts associated with the anticipated buildout of the proposed project. The EIR will explain the potentially significant effects of the proposed project as well as the reasons that other effects are not potentially significant. Pursuant to *CEQA Guidelines Section 15060(d)*, an initial study is not required to determine that an EIR will be prepared, and an initial study was not prepared for the proposed project.

In accordance with Section 15082 of the CEQA Guidelines, the City has prepared this NOP to provide agencies, organizations, and interested parties with information describing the proposed project and its potential environmental effects. Consistent with Appendix G of the CEQA Guidelines, the 20 environmental topics that may be analyzed in an EIR are:

- Aesthetics
- Agriculture & Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology & Soils
- Greenhouse Gas Emissions
- Hazards & Hazardous Materials
- Hydrology & Water Quality
- Land Use & Planning
- Mineral Resources
- Noise
- Population & Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities & Service Systems
- Wildfire

The City has determined that the proposed project could potentially affect 15 of the 20 environmental topic areas identified in Appendix G. These 15 topical areas are aesthetics, air quality, cultural resources, energy, greenhouse gas emissions, hazards and hazardous materials, hydrology and water quality, land use and planning, noise, population and housing, public services, recreation, transportation, tribal cultural resources, and utilities and service systems. These impacts will be analyzed in detail in the EIR. The EIR will address the short- and long-term effects of the proposed project on the environment. Feasible mitigation measures will be proposed for impacts that are determined to be potentially significant and reasonable alternatives will be considered. A mitigation monitoring program will also be developed for any mitigation measures required by the City. The proposed project is expected to have no impact on agriculture and forestry resources, biological resources, geology and soils, mineral resources, or wildfire, and therefore the EIR will not present a detailed analysis of the project's impact on these topic areas.

Document Availability: The 30-day public review period for the NOP is from **Wednesday, April 3, 2024,** to **Friday, May 3, 2024**. In accordance with the time limits mandated by State law, if there are any concerns about the scope and content of the information to be addressed in EIR, written comments may be submitted via email or by mail to the addresses below. All written comments should be submitted at the earliest possible date but must be submitted no later than close of business **Friday, May 3, 2024**. Public agencies should identify the contact person for your agency in your written comments.

Public Comments: Please submit your comments to:

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Apr 03 2024
Dean C. Logan, Registrar – Recorder/County Clerk
Electronically signed by VALERIE VALADEZ

Carlos Rojas, Acting Senior Planner
Alexander Hamilton, Development Services Manager Consultant

- **Mailing Address:**
  City of Norwalk
  Community Development, Room 12
  12700 Norwalk Boulevard
  Norwalk, CA 90650
- **Email Address**: crojas@norwalkca.gov or ahamilton@norwalkca.gov

Public Scoping Meeting: A public scoping meeting will be held at the address below on **Tuesday, April 23, 2024**, from 6:00 p.m. to 7:30 p.m., to solicit input from any interested parties on the scope and content of the EIR, in conformance with Section 21083.9 of the California Public Resources Code. Applicable COVID-19 policies in place at the time will be followed. The public scoping meeting is intended to receive input from interested parties and no decisions about the proposed project will be made at the public scoping meeting. Though staff will prepare a summary of the issues raised verbally at the public scoping meeting, anyone wishing to make formal comments on the scope of issues or content of the EIR should also do so in writing. Written comments can be submitted at the scoping meeting. You may also send a written response to this NOP to the email and address listed above by **Friday, May 3, 2024**, without attending the scoping meeting.

A copy of the materials presented at the scoping meeting will be posted to the City's website:

https://www.norwalk.org/city-hall/departments/community-development/planning following the meeting.

The public scoping meeting will be held at the location identified below.

Location: City of Norwalk,
City Council Chambers
12700 Norwalk Boulevard
Norwalk, CA 90650

More Information: Questions concerning the matter should be directed to Carlos Rojas, Acting Senior Planner, or Alexander Hamilton, Development Services Manager Consultant, at (562) 929-5744, crojas@norwalkca.gov or ahamilton@norwalkca.gov

Dated this 3rd day of April, 2024.

Theresa Devoy, CMC
City Clerk

Attachments:

- Figure 1, Regional Location
- Figure 2, Plan Area

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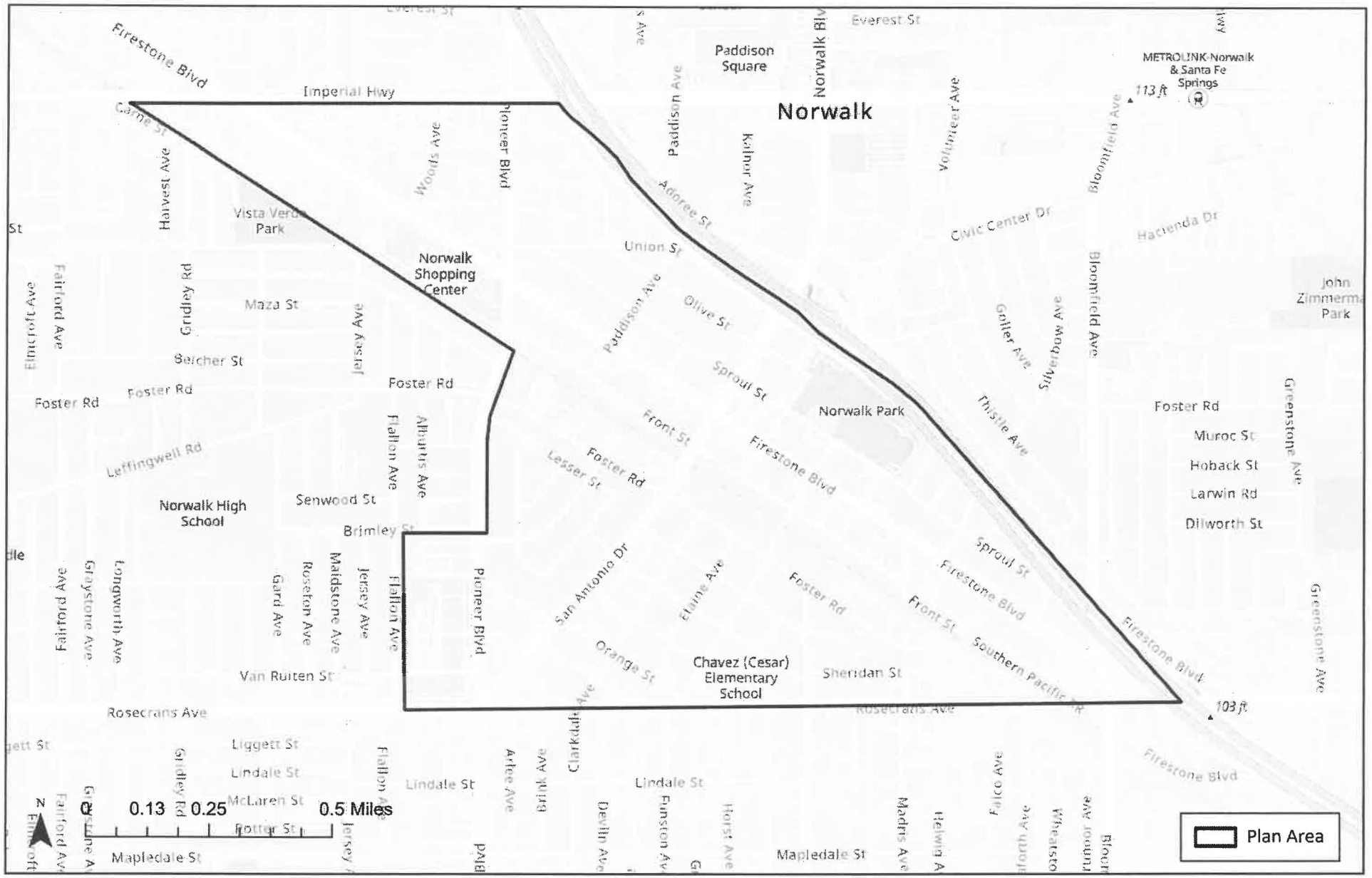

SOURCE: Esri 2023

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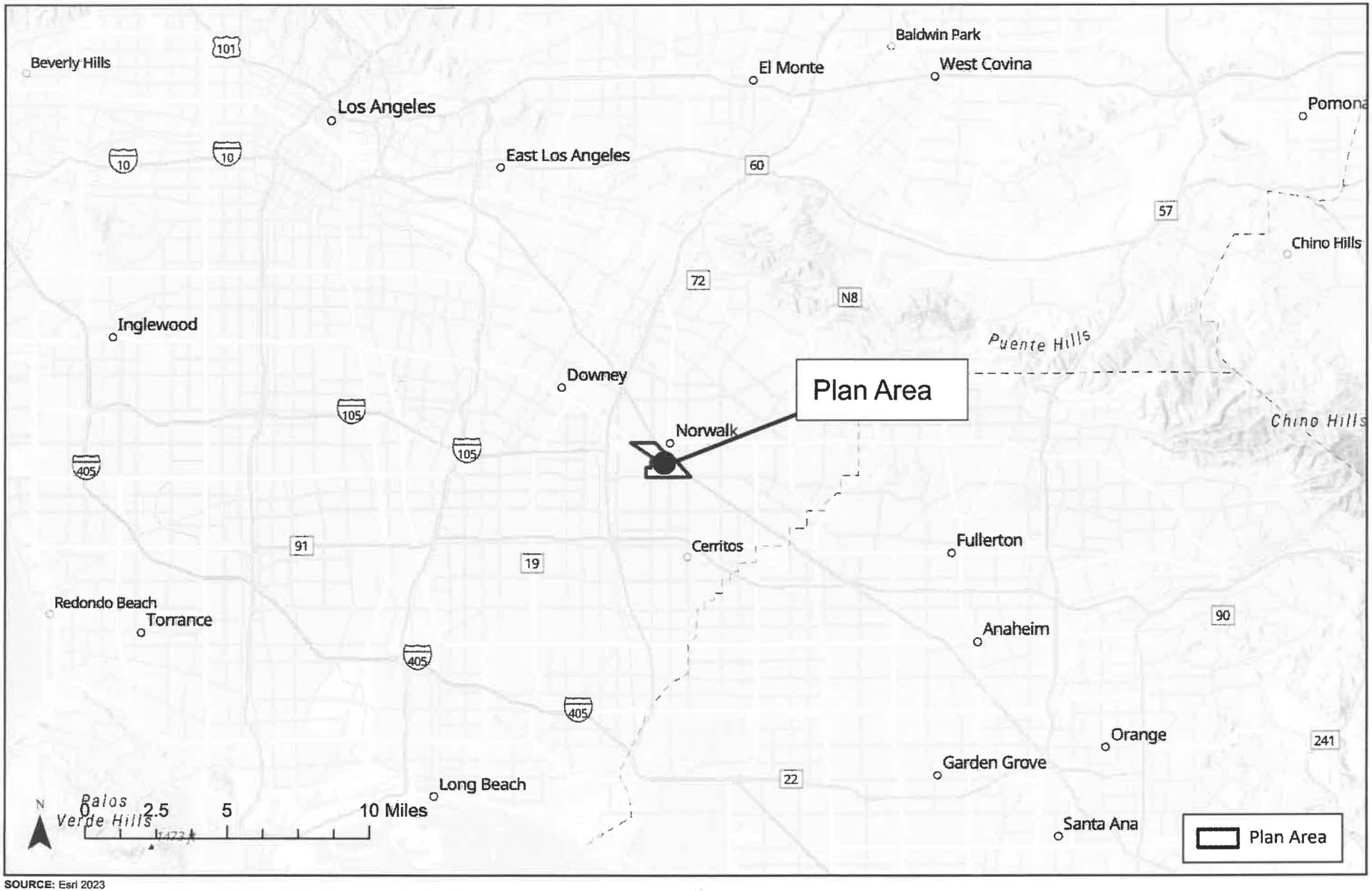
FIGURE **2**

Plan Area



SOURCE: Esri 2023

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Apr 03 2024

Dean C. Logan, Registrar–Recorder/County Clerk

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FIGURE 1

Regional Location

APPENDIX A

Response Letters

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

April 04, 2024

Carlos Rojas
City of Norwalk
12700 Norwalk Boulevard
Norwalk CA 90650

Governor's Office of Planning & Research

April 5 2024

STATE CLEARINGHOUSE

Re: 2024040140, Heart of Norwalk Specific Plan Project, Los Angeles County

Dear Mr. Rojas:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).

2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.

3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).

4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:

- **a.** The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
- **b.** Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:

- **a.** If part or all of the APE has been previously surveyed for cultural resources.
- **b.** If any known cultural resources have already been recorded on or adjacent to the APE.
- **c.** If the probability is low, moderate, or high that cultural resources are located in the APE.
- **d.** If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.

- **a.** The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
- **b.** The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@NAHC.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

DEPARTMENT OF TRANSPORTATION
DISTRICT 7
100 S. MAIN STREET, MS 16
LOS ANGELES, CA 90012
PHONE (213) 266-3562
FAX (213) 897-1337
TTY 711
www.dot.ca.gov

Making Conservation a California Way of Life

Governor's Office of Planning & Research

May 03 2024

STATE CLEARING HOUSE

May 3, 2024

Carlos Rojas
City of Norwalk
12700 Norwalk Blvd
Norwalk, CA 90650

RE: Heart of Norwalk Specific Plan: Notice of Preparation of an EIR (NOP)
Vic. LA 5/PM 3.972, LA 105/PM R18.040, LA 605/PM R7.888
GTS # 07-LA-2024-04493
SCH # 2024040140

Dear Carlos Rojas:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above-referenced project. The proposed project will revitalize the underutilized corridors within the center of the City and spur the development of new commercial and residential uses while balancing place-making and open spaces. Some of the key themes of the Specific Plan revolve around making places, connecting with corridors, and supporting the social element. These environments would incorporate a variety of urban residential uses, places to walk and spend time, nightlife, and spaces that can encourage and celebrate local culture, such as performing arts spaces. The City of Norwalk is the Lead Agency under the California Environmental Quality Act (CEQA).

The closest state facilities are SR-5, I-105, and I-605. After reviewing the project's documents, Caltrans has the following comments:

To meet the goals and objectives of community placemaking and safe urban design, Caltrans encourages the forthcoming DEIR to include multi-modal (bicycle, pedestrian, bus, and transit) infrastructure. This should also include Complete Street Access (ADA-compliant design, adequate sidewalks, high visibility crosswalks, class IV bike lanes, and bike parking). Additionally, Caltrans requests that a multi-modal conflict/safety analysis be performed across the project area and the following intersections:

- I-5/Imperial Highway
- I-5/San Antonio Drive
- I-5/Rosecrans Ave
- I-105/Studebaker Road
- I-605/Firestone Blvd

- I-605/Imperial Highway
- I-605/Rosecrans Ave

If any safety impacts are found, they should be addressed with Transportation Demand Management (TDM) and Transportation System Management (TSM) mitigation measures.

Any work performed within the State Right-of-way will require an Encroachment Permit. Caltrans requires a permit for any heavy construction equipment and or materials that require the use of oversized transport vehicles on State highways. Caltrans recommends limiting large truck travel and construction traffic to off-peak commute hours to minimize the potential impact on State facilities. If construction traffic is expected to cause issues on any State facilities, please submit a construction traffic control plan detailing these issues for Caltrans' review.

Caltrans looks forward to the future environmental documents. If you have any questions, please feel free to contact Jaden Oloresisimo, the project coordinator, at Jaden.Oloresisimo@dot.ca.gov and refer to GTS # 07-LA-2024-04493.

Sincerely,

Anthony Higgins for

MIYA EDMONSON
LDR/CEQA Branch Chief

cc: State Clearinghouse

APPENDIX 3.2

CalEEMod Data

Norwalk SP - Existing Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norwalk SP - Existing
Operational Year	2025
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.00
Location	33.909079, -118.076891
County	Los Angeles-South Coast
City	Norwalk
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4865
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	3,134	Dwelling Unit	168	2,299,078	0.00	—	20,742	—

Government (Civic Center)	360	1000sqft	24.1	360,341	0.00	—	—	—
General Heavy Industry	290	1000sqft	21.0	290,388	0.00	—	—	—
Regional Shopping Center	1,514	1000sqft	126	1,513,737	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1,104	996	192	3,180	7.83	228	335	563	224	85.2	309	35,011	509,529	544,540	671	14.5	1,498	567,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1,069	964	200	2,716	7.66	228	335	563	223	85.2	309	35,011	492,578	527,589	671	15.1	136	548,993
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	247	223	144	1,469	3.92	19.3	334	353	18.9	84.7	104	7,666	445,251	452,917	589	14.2	704	472,592
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.1	40.8	26.2	268	0.72	3.53	60.9	64.4	3.45	15.5	18.9	1,269	73,716	74,986	97.6	2.35	117	78,243

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	54.9	39.7	104	1,302	3.62	2.18	335	338	2.03	85.2	87.2	—	370,131	370,131	10.7	11.3	1,398	375,149
Area	1,046	955	67.6	1,865	4.08	224	—	224	220	—	220	29,356	56,953	86,309	87.6	1.07	—	88,817
Energy	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	78,797	78,797	5.58	0.44	—	79,070
Water	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Waste	—	—	—	—	—	—	—	—	—	—	—	4,950	0.00	4,950	495	0.00	—	17,319
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Total	1,104	996	192	3,180	7.83	228	335	563	224	85.2	309	35,011	509,529	544,540	671	14.5	1,498	567,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	54.4	39.5	114	1,110	3.46	2.18	335	338	2.03	85.2	87.2	—	354,042	354,042	10.5	11.8	36.2	357,868
Area	1,013	924	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952
Energy	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	78,797	78,797	5.58	0.44	—	79,070
Water	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Waste	—	—	—	—	—	—	—	—	—	—	—	4,950	0.00	4,950	495	0.00	—	17,319
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Total	1,069	964	200	2,716	7.66	228	335	563	223	85.2	309	35,011	492,578	527,589	671	15.1	136	548,993
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	54.5	39.6	116	1,161	3.50	2.18	334	336	2.03	84.7	86.8	—	358,373	358,373	10.6	11.9	604	362,802
Area	190	183	6.19	295	0.29	15.5	—	15.5	15.2	—	15.2	2,011	4,433	6,443	6.02	0.08	—	6,617
Energy	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	78,797	78,797	5.58	0.44	—	79,070
Water	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Waste	—	—	—	—	—	—	—	—	—	—	—	4,950	0.00	4,950	495	0.00	—	17,319
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100

Total	247	223	144	1,469	3.92	19.3	334	353	18.9	84.7	104	7,666	445,251	452,917	589	14.2	704	472,592
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.95	7.22	21.2	212	0.64	0.40	60.9	61.3	0.37	15.5	15.8	—	59,333	59,333	1.75	1.98	99.9	60,066
Area	34.7	33.3	1.13	53.9	0.05	2.83	—	2.83	2.77	—	2.77	333	734	1,067	1.00	0.01	—	1,096
Energy	0.44	0.22	3.86	2.26	0.02	0.30	—	0.30	0.30	—	0.30	—	13,046	13,046	0.92	0.07	—	13,091
Water	—	—	—	—	—	—	—	—	—	—	—	117	604	721	12.0	0.29	—	1,107
Waste	—	—	—	—	—	—	—	—	—	—	—	820	0.00	820	81.9	0.00	—	2,867
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6
Total	45.1	40.8	26.2	268	0.72	3.53	60.9	64.4	3.45	15.5	18.9	1,269	73,716	74,986	97.6	2.35	117	78,243

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	17,518	17,518	1.09	0.13	—	17,584

Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	9,359	9,359	0.58	0.07	—	9,395
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	4,060	4,060	0.25	0.03	—	4,075
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	21,668	21,668	1.34	0.16	—	21,751
Total	—	—	—	—	—	—	—	—	—	—	—	—	52,605	52,605	3.26	0.40	—	52,805
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	17,518	17,518	1.09	0.13	—	17,584
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	9,359	9,359	0.58	0.07	—	9,395
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	4,060	4,060	0.25	0.03	—	4,075
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	21,668	21,668	1.34	0.16	—	21,751
Total	—	—	—	—	—	—	—	—	—	—	—	—	52,605	52,605	3.26	0.40	—	52,805
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,900	2,900	0.18	0.02	—	2,911

Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	1,550	1,550	0.10	0.01	—	1,555
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	672	672	0.04	0.01	—	675
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	3,587	3,587	0.22	0.03	—	3,601
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,709	8,709	0.54	0.07	—	8,742

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.51	0.75	12.9	5.49	0.08	1.04	—	1.04	1.04	—	1.04	—	16,377	16,377	1.45	0.03	—	16,423
Government (Civic Center)	0.27	0.13	2.45	2.06	0.01	0.19	—	0.19	0.19	—	0.19	—	2,927	2,927	0.26	0.01	—	2,935
General Heavy Industry	0.37	0.18	3.34	2.80	0.02	0.25	—	0.25	0.25	—	0.25	—	3,983	3,983	0.35	0.01	—	3,994
Regional Shopping Center	0.27	0.13	2.43	2.04	0.01	0.19	—	0.19	0.19	—	0.19	—	2,904	2,904	0.26	0.01	—	2,913
Total	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	26,192	26,192	2.32	0.05	—	26,265

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.51	0.75	12.9	5.49	0.08	1.04	—	1.04	1.04	—	1.04	—	16,377	16,377	1.45	0.03	—	16,423
Government (Civic Center)	0.27	0.13	2.45	2.06	0.01	0.19	—	0.19	0.19	—	0.19	—	2,927	2,927	0.26	0.01	—	2,935
General Heavy Industry	0.37	0.18	3.34	2.80	0.02	0.25	—	0.25	0.25	—	0.25	—	3,983	3,983	0.35	0.01	—	3,994
Regional Shopping Center	0.27	0.13	2.43	2.04	0.01	0.19	—	0.19	0.19	—	0.19	—	2,904	2,904	0.26	0.01	—	2,913
Total	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	26,192	26,192	2.32	0.05	—	26,265
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.28	0.14	2.35	1.00	0.02	0.19	—	0.19	0.19	—	0.19	—	2,711	2,711	0.24	0.01	—	2,719
Government (Civic Center)	0.05	0.02	0.45	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	485	485	0.04	< 0.005	—	486
General Heavy Industry	0.07	0.03	0.61	0.51	< 0.005	0.05	—	0.05	0.05	—	0.05	—	659	659	0.06	< 0.005	—	661
Regional Shopping Center	0.05	0.02	0.44	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	481	481	0.04	< 0.005	—	482
Total	0.44	0.22	3.86	2.26	0.02	0.30	—	0.30	0.30	—	0.30	—	4,336	4,336	0.38	0.01	—	4,348

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	908	819	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952
Consumer Products	95.5	95.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	9.44	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	33.6	31.4	2.53	272	0.01	0.26	—	0.26	0.19	—	0.19	—	862	862	0.04	0.01	—	866
Total	1,046	955	67.6	1,865	4.08	224	—	224	220	—	220	29,356	56,953	86,309	87.6	1.07	—	88,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	908	819	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952
Consumer Products	95.5	95.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	9.44	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1,013	924	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	11.3	10.2	0.81	19.9	0.05	2.80	—	2.80	2.75	—	2.75	333	636	969	0.99	0.01	—	997
Consumer Products	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.72	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.20	3.93	0.32	33.9	< 0.005	0.03	—	0.03	0.02	—	0.02	—	97.8	97.8	< 0.005	< 0.005	—	98.2
Total	34.7	33.3	1.13	53.9	0.05	2.83	—	2.83	2.77	—	2.77	333	734	1,067	1.00	0.01	—	1,096

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	224	1,159	1,383	23.0	0.55	—	2,124
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	137	710	847	14.1	0.34	—	1,301
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	129	666	795	13.2	0.32	—	1,221

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	215	1,112	1,327	22.1	0.53	—	2,038
Total	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	224	1,159	1,383	23.0	0.55	—	2,124
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	137	710	847	14.1	0.34	—	1,301
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	129	666	795	13.2	0.32	—	1,221
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	215	1,112	1,327	22.1	0.53	—	2,038
Total	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	37.1	192	229	3.81	0.09	—	352
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	22.7	118	140	2.34	0.06	—	215
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	21.3	110	132	2.19	0.05	—	202

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	35.6	184	220	3.66	0.09	—	337
Total	—	—	—	—	—	—	—	—	—	—	—	117	604	721	12.0	0.29	—	1,107

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2,793	0.00	2,793	279	0.00	—	9,771
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	1,107	0.00	1,107	111	0.00	—	3,873
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	857	0.00	857	85.6	0.00	—	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	4,950	0.00	4,950	495	0.00	—	17,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	2,793	0.00	2,793	279	0.00	—	9,771
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	1,107	0.00	1,107	111	0.00	—	3,873
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	857	0.00	857	85.6	0.00	—	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	4,950	0.00	4,950	495	0.00	—	17,319
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	462	0.00	462	46.2	0.00	—	1,618
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	183	0.00	183	18.3	0.00	—	641
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	142	0.00	142	14.2	0.00	—	496
Total	—	—	—	—	—	—	—	—	—	—	—	820	0.00	820	81.9	0.00	—	2,867

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.27	7.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.27	7.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.5	12.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.20	1.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	472,936	472,936	472,936	172,621,640

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	157
Gas Fireplaces	2664
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	313
Conventional Wood Stoves	0
Catalytic Wood Stoves	157
Non-Catalytic Wood Stoves	157
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
4655632.95	1,551,878	3,246,699	1,082,233	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	12,019,032	532	0.0330	0.0040	51,101,987
Government (Civic Center)	6,421,380	532	0.0330	0.0040	9,133,371
General Heavy Industry	2,785,615	532	0.0330	0.0040	12,429,170
Regional Shopping Center	14,866,966	532	0.0330	0.0040	9,062,659

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	116,816,089	0.00
Government (Civic Center)	71,585,230	0.00
General Heavy Industry	67,152,225	0.00
Regional Shopping Center	112,126,316	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	5,182	—
Government (Civic Center)	2,054	—
General Heavy Industry	360	—
Regional Shopping Center	1,589	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Government (Civic Center)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government (Civic Center)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Existing land use metrics provided by the Existing Land Use and Parcel Analysis prepared by the Arroyo Group.

Norwalk SP - Scenario 1 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norwalk SP - Scenario 1
Construction Start Date	4/6/2026
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.00
Location	33.910406, -118.077811
County	Los Angeles-South Coast
City	Norwalk
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4865
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	35.0	1000sqft	0.80	0.00	0.00	—	—	—

Parking Lot	15.0	1000sqft	0.34	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.65	7.11	13.2	12.1	0.03	0.54	3.36	3.90	0.50	1.49	1.99	—	3,777	3,777	0.18	0.29	0.11	3,868
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.02	0.06	0.15	0.16	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	39.7	39.7	< 0.005	< 0.005	0.01	40.3
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	< 0.005	0.01	0.03	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	6.57	6.57	< 0.005	< 0.005	< 0.005	6.67

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	1.65	7.11	13.2	12.1	0.03	0.54	3.36	3.90	0.50	1.49	1.99	—	3,777	3,777	0.18	0.29	0.11	3,868
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.02	0.06	0.15	0.16	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	39.7	39.7	< 0.005	< 0.005	0.01	40.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	< 0.005	0.01	0.03	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	6.57	6.57	< 0.005	< 0.005	< 0.005	6.67

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	9.38	8.97	0.02	0.40	—	0.40	0.37	—	0.37	—	1,669	1,669	0.07	0.01	—	1,675
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.15	9.15	< 0.005	< 0.005	—	9.18
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.51	1.51	< 0.005	< 0.005	—	1.52
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.25	11.0	10.7	0.02	0.52	—	0.52	0.48	—	0.48	—	1,947	1,947	0.08	0.02	—	1,954
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.77	1.77	< 0.005	< 0.005	—	1.77
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	2.13	0.81	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,701	1,701	0.09	0.27	0.10	1,785
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.62

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	3.09	3.08	0.01	0.13	—	0.13	0.12	—	0.12	—	857	857	0.03	0.01	—	860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.70	4.70	< 0.005	< 0.005	—	4.71
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.45	1.79	< 0.005	0.07	—	0.07	0.06	—	0.06	—	279	279	0.01	< 0.005	—	280
Paving	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.53	1.53	< 0.005	< 0.005	—	1.53
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.25	0.25	< 0.005	< 0.005	—	0.25
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/2/2026	3/3/2026	5.00	2.00	—
Grading	Grading	3/4/2026	3/5/2026	5.00	2.00	—

Building Construction	Building Construction	3/6/2026	3/9/2026	5.00	2.00	—
Paving	Paving	3/10/2026	3/11/2026	5.00	2.00	—
Architectural Coating	Architectural Coating	3/12/2026	3/13/2026	5.00	2.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT

Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	25.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	10.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	10.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	0.00	3,000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	—	—
Grading	—	800	2.00	0.00	—
Paving	0.00	0.00	0.00	0.00	1.15

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Other Non-Asphalt Surfaces	0.80	0%
Parking Lot	0.34	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Example construction scenario.
Construction: Off-Road Equipment	Example construction scenario.
Construction: Trips and VMT	Example construction scenario.

Norwalk SP - Scenario 2 Custom Report

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5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norwalk SP - Scenario 2
Construction Start Date	4/6/2026
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.00
Location	33.910406, -118.077811
County	Los Angeles-South Coast
City	Norwalk
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4865
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	35.0	1000sqft	0.80	0.00	0.00	—	—	—

Parking Lot	15.0	1000sqft	0.34	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.84	7.11	22.5	20.8	0.04	0.94	5.92	6.86	0.87	2.81	3.67	—	5,410	5,410	0.25	0.31	0.11	5,507
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.04	0.08	0.32	0.32	< 0.005	0.01	0.04	0.05	0.01	0.02	0.03	—	68.5	68.5	< 0.005	< 0.005	0.01	69.2
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.01	0.01	0.06	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.5

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	2.84	7.11	22.5	20.8	0.04	0.94	5.92	6.86	0.87	2.81	3.67	—	5,410	5,410	0.25	0.31	0.11	5,507
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04	0.08	0.32	0.32	< 0.005	0.01	0.04	0.05	0.01	0.02	0.03	—	68.5	68.5	< 0.005	< 0.005	0.01	69.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01	0.01	0.06	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.5

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.51	2.10	19.2	17.9	0.03	0.81	—	0.81	0.74	—	0.74	—	3,292	3,292	0.13	0.03	—	3,303
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.0	18.0	< 0.005	< 0.005	—	18.1
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.99	2.99	< 0.005	< 0.005	—	3.00
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.68	2.25	20.3	19.4	0.03	0.92	—	0.92	0.84	—	0.84	—	3,580	3,580	0.15	0.03	—	3,592
Dust From Material Movement	—	—	—	—	—	—	5.33	5.33	—	2.65	2.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.11	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	19.6	19.6	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.25	3.25	< 0.005	< 0.005	—	3.26
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	2.13	0.81	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,701	1,701	0.09	0.27	0.10	1,785
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.62

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	1.32	12.2	11.6	0.02	0.52	—	0.52	0.48	—	0.48	—	2,454	2,454	0.10	0.02	—	2,462
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	—	13.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.23	2.23	< 0.005	< 0.005	—	2.23
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.25	4.56	0.01	0.14	—	0.14	0.13	—	0.13	—	693	693	0.03	0.01	—	695
Paving	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.80	3.80	< 0.005	< 0.005	—	3.81
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.63	0.63	< 0.005	< 0.005	—	0.63
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/2/2026	3/3/2026	5.00	2.00	—
Grading	Grading	3/4/2026	3/5/2026	5.00	2.00	—

Building Construction	Building Construction	3/6/2026	3/9/2026	5.00	2.00	—
Paving	Paving	3/10/2026	3/11/2026	5.00	2.00	—
Architectural Coating	Architectural Coating	3/12/2026	3/13/2026	5.00	2.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	25.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	10.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	10.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT

Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	0.00	3,000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	—	—
Grading	—	1,600	2.00	0.00	—
Paving	0.00	0.00	0.00	0.00	1.15

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Other Non-Asphalt Surfaces	0.80	0%
Parking Lot	0.34	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Example construction scenario.
Construction: Off-Road Equipment	Example construction scenario.
Construction: Trips and VMT	Example construction scenario.
Construction: Dust From Material Movement	Example construction scenario.

Norwalk SP - Scenario 3 Custom Report

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5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norwalk SP - Scenario 3
Construction Start Date	4/6/2026
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.00
Location	33.910406, -118.077811
County	Los Angeles-South Coast
City	Norwalk
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4865
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	35.0	1000sqft	0.80	0.00	0.00	—	—	—

Parking Lot	15.0	1000sqft	0.34	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.75	7.26	47.5	42.9	0.11	1.80	13.0	14.8	1.66	5.94	7.60	—	14,293	14,293	0.68	1.17	0.46	14,658
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.08	0.10	0.57	0.63	< 0.005	0.02	0.09	0.11	0.02	0.04	0.06	—	150	150	0.01	0.01	0.06	153
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.01	0.02	0.10	0.12	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	24.9	24.9	< 0.005	< 0.005	0.01	25.3

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	5.75	7.26	47.5	42.9	0.11	1.80	13.0	14.8	1.66	5.94	7.60	—	14,293	14,293	0.68	1.17	0.46	14,658
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.08	0.10	0.57	0.63	< 0.005	0.02	0.09	0.11	0.02	0.04	0.06	—	150	150	0.01	0.01	0.06	153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01	0.02	0.10	0.12	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	24.9	24.9	< 0.005	< 0.005	0.01	25.3

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.83	4.06	37.5	35.9	0.06	1.61	—	1.61	1.48	—	1.48	—	6,677	6,677	0.27	0.05	—	6,700
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.6	36.6	< 0.005	< 0.005	—	36.7
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.06	6.06	< 0.005	< 0.005	—	6.08
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.22	2.76	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	642	642	0.03	0.02	0.06	650
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.06	4.25	38.8	36.9	0.06	1.71	—	1.71	1.58	—	1.58	—	6,846	6,846	0.28	0.06	—	6,869
Dust From Material Movement	—	—	—	—	—	—	10.4	10.4	—	5.28	5.28	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.5	37.5	< 0.005	< 0.005	—	37.6
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.21	6.21	< 0.005	< 0.005	—	6.23
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.22	2.76	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	642	642	0.03	0.02	0.06	650
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.48	0.10	8.51	3.25	0.05	0.09	1.85	1.94	0.09	0.51	0.60	—	6,805	6,805	0.38	1.09	0.40	7,139
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.3	37.3	< 0.005	0.01	0.04	39.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.17	6.17	< 0.005	< 0.005	0.01	6.48

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.17	9.49	13.3	0.02	0.35	—	0.35	0.32	—	0.32	—	2,153	2,153	0.09	0.02	—	2,160
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.8	11.8	< 0.005	< 0.005	—	11.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.95	1.95	< 0.005	< 0.005	—	1.96
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.22	2.76	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	642	642	0.03	0.02	0.06	650
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.91	10.9	0.01	0.26	—	0.26	0.23	—	0.23	—	1,522	1,522	0.06	0.01	—	1,527
Paving	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.34	8.34	< 0.005	< 0.005	—	8.37
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.38	1.38	< 0.005	< 0.005	—	1.39
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.22	2.76	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	642	642	0.03	0.02	0.06	650
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.22	2.76	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	642	642	0.03	0.02	0.06	650

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/2/2026	3/3/2026	5.00	2.00	—
Grading	Grading	3/4/2026	3/5/2026	5.00	2.00	—

Building Construction	Building Construction	3/6/2026	3/9/2026	5.00	2.00	—
Paving	Paving	3/10/2026	3/11/2026	5.00	2.00	—
Architectural Coating	Architectural Coating	3/12/2026	3/13/2026	5.00	2.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	6.00	84.0	0.37
Building Construction	Rubber Tired Dozers	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Rubber Tired Dozers	Diesel	Average	3.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	50.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	50.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	100	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	50.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	50.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	50.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	0.00	3,000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	—	—
Grading	—	3,200	2.00	0.00	—
Paving	0.00	0.00	0.00	0.00	1.15

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Other Non-Asphalt Surfaces	0.80	0%
Parking Lot	0.34	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Example construction scenario.
Construction: Off-Road Equipment	Example construction scenario.

Construction: Trips and VMT	Example construction scenario.
Construction: Dust From Material Movement	Example construction scenario.

Norwalk SP - Scenario 4 Custom Report

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5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norwalk SP - Scenario 4
Construction Start Date	4/6/2026
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.00
Location	33.910406, -118.077811
County	Los Angeles-South Coast
City	Norwalk
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4865
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	35.0	1000sqft	0.80	0.00	0.00	—	—	—

Parking Lot	15.0	1000sqft	0.34	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.45	7.44	61.8	57.0	0.15	2.26	17.1	19.4	2.09	7.66	9.75	—	20,116	20,116	0.97	1.75	0.71	20,661
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.14	0.16	1.05	1.11	< 0.005	0.04	0.12	0.16	0.04	0.05	0.09	—	265	265	0.01	0.01	0.11	269
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.03	0.03	0.19	0.20	< 0.005	0.01	0.02	0.03	0.01	0.01	0.02	—	43.8	43.8	< 0.005	< 0.005	0.02	44.5

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	7.45	7.44	61.8	57.0	0.15	2.26	17.1	19.4	2.09	7.66	9.75	—	20,116	20,116	0.97	1.75	0.71	20,661
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.14	0.16	1.05	1.11	< 0.005	0.04	0.12	0.16	0.04	0.05	0.09	—	265	265	0.01	0.01	0.11	269
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03	0.03	0.19	0.20	< 0.005	0.01	0.02	0.03	0.01	0.01	0.02	—	43.8	43.8	< 0.005	< 0.005	0.02	44.5

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.04	5.07	46.9	44.8	0.08	2.01	—	2.01	1.85	—	1.85	—	8,346	8,346	0.34	0.07	—	8,375
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.7	45.7	< 0.005	< 0.005	—	45.9
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.57	7.57	< 0.005	< 0.005	—	7.60
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.44	5.51	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,284	1,284	0.06	0.05	0.12	1,300
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	0.01	7.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.31	5.31	48.6	46.6	0.08	2.13	—	2.13	1.96	—	1.96	—	8,624	8,624	0.35	0.07	—	8,653
Dust From Material Movement	—	—	—	—	—	—	13.0	13.0	—	6.59	6.59	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.4
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.82	7.82	< 0.005	< 0.005	—	7.85
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.44	5.51	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,284	1,284	0.06	0.05	0.12	1,300
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.72	0.15	12.8	4.88	0.07	0.13	2.78	2.91	0.13	0.76	0.89	—	10,207	10,207	0.57	1.63	0.59	10,708
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	0.01	7.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	55.9	55.9	< 0.005	0.01	0.05	58.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.26	9.26	< 0.005	< 0.005	0.01	9.72

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.22	4.39	40.6	38.9	0.07	1.74	—	1.74	1.60	—	1.60	—	7,534	7,534	0.31	0.06	—	7,560
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.83	6.83	< 0.005	< 0.005	—	6.86
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.44	5.51	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,284	1,284	0.06	0.05	0.12	1,300
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	0.01	7.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.01	4.20	39.0	37.7	0.06	1.68	—	1.68	1.55	—	1.55	—	6,956	6,956	0.28	0.06	—	6,979
Paving	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.1	38.1	< 0.005	< 0.005	—	38.2
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.31	6.31	< 0.005	< 0.005	—	6.33
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.44	5.51	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,284	1,284	0.06	0.05	0.12	1,300
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	0.01	7.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.12
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.44	5.51	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,284	1,284	0.06	0.05	0.12	1,300

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	0.01	7.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/2/2026	3/3/2026	5.00	2.00	—
Grading	Grading	3/4/2026	3/5/2026	5.00	2.00	—

Building Construction	Building Construction	3/6/2026	3/9/2026	5.00	2.00	—
Paving	Paving	3/10/2026	3/11/2026	5.00	2.00	—
Architectural Coating	Architectural Coating	3/12/2026	3/13/2026	5.00	2.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	5.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	5.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Building Construction	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Paving	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	100	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	100	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	150	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	100	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	100	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	100	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	0.00	3,000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	—	—
Grading	—	4,800	2.00	0.00	—
Paving	0.00	0.00	0.00	0.00	1.15

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Other Non-Asphalt Surfaces	0.80	0%
Parking Lot	0.34	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Example construction scenario.
Construction: Off-Road Equipment	Example construction scenario.

Construction: Trips and VMT	Example construction scenario.
Construction: Dust From Material Movement	Example construction scenario.

Norwalk SP - Future 2040 w/o Plan Custom Report

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5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norwalk SP - Future 2040 w/o Plan
Operational Year	2040
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.00
Location	33.909079, -118.076891
County	Los Angeles-South Coast
City	Norwalk
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4865
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	3,134	Dwelling Unit	168	2,299,078	0.00	—	21,432	—

Government (Civic Center)	360	1000sqft	24.1	360,341	0.00	—	—	—
General Heavy Industry	290	1000sqft	21.0	290,388	0.00	—	—	—
Regional Shopping Center	1,514	1000sqft	126	1,513,737	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1,086	984	137	2,747	7.10	227	325	552	223	82.6	305	35,104	433,863	468,967	676	11.3	265	489,505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1,052	953	139	2,353	6.96	227	325	552	222	82.6	305	35,104	420,420	455,524	676	11.6	104	476,000
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	230	212	80.9	1,087	3.22	18.3	324	342	17.9	82.2	100	7,758	372,149	379,907	595	10.7	171	398,141
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	41.9	38.6	14.8	198	0.59	3.33	59.0	62.4	3.26	15.0	18.3	1,284	61,613	62,898	98.5	1.77	28.4	65,917

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	38.1	28.6	48.0	868	2.89	1.11	325	326	1.03	82.6	83.6	—	294,465	294,465	6.84	8.02	165	297,190
Area	1,046	955	67.5	1,867	4.08	224	—	224	220	—	220	29,356	56,953	86,309	87.6	1.07	—	88,817
Energy	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	78,797	78,797	5.58	0.44	—	79,070
Water	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Waste	—	—	—	—	—	—	—	—	—	—	—	5,043	0.00	5,043	504	0.00	—	17,644
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Total	1,086	984	137	2,747	7.10	227	325	552	223	82.6	305	35,104	433,863	468,967	676	11.3	265	489,505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.4	28.1	52.6	747	2.76	1.11	325	326	1.03	82.6	83.6	—	281,884	281,884	6.71	8.37	4.28	284,550
Area	1,013	924	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952
Energy	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	78,797	78,797	5.58	0.44	—	79,070
Water	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Waste	—	—	—	—	—	—	—	—	—	—	—	5,043	0.00	5,043	504	0.00	—	17,644
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Total	1,052	953	139	2,353	6.96	227	325	552	222	82.6	305	35,104	420,420	455,524	676	11.6	104	476,000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.5	28.2	53.7	779	2.80	1.11	324	325	1.03	82.2	83.2	—	285,271	285,271	6.73	8.44	71.3	288,026
Area	190	182	6.12	296	0.29	15.5	—	15.5	15.2	—	15.2	2,011	4,433	6,443	6.02	0.08	—	6,617
Energy	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	78,797	78,797	5.58	0.44	—	79,070
Water	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Waste	—	—	—	—	—	—	—	—	—	—	—	5,043	0.00	5,043	504	0.00	—	17,644
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100

Total	230	212	80.9	1,087	3.22	18.3	324	342	17.9	82.2	100	7,758	372,149	379,907	595	10.7	171	398,141
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.85	5.15	9.80	142	0.51	0.20	59.0	59.2	0.19	15.0	15.2	—	47,230	47,230	1.11	1.40	11.8	47,686
Area	34.6	33.3	1.12	54.0	0.05	2.83	—	2.83	2.77	—	2.77	333	734	1,067	1.00	0.01	—	1,096
Energy	0.44	0.22	3.86	2.26	0.02	0.30	—	0.30	0.30	—	0.30	—	13,046	13,046	0.92	0.07	—	13,091
Water	—	—	—	—	—	—	—	—	—	—	—	117	604	721	12.0	0.29	—	1,107
Waste	—	—	—	—	—	—	—	—	—	—	—	835	0.00	835	83.5	0.00	—	2,921
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6
Total	41.9	38.6	14.8	198	0.59	3.33	59.0	62.4	3.26	15.0	18.3	1,284	61,613	62,898	98.5	1.77	28.4	65,917

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	17,518	17,518	1.09	0.13	—	17,584

Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	9,359	9,359	0.58	0.07	—	9,395
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	4,060	4,060	0.25	0.03	—	4,075
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	21,668	21,668	1.34	0.16	—	21,751
Total	—	—	—	—	—	—	—	—	—	—	—	—	52,605	52,605	3.26	0.40	—	52,805
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	17,518	17,518	1.09	0.13	—	17,584
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	9,359	9,359	0.58	0.07	—	9,395
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	4,060	4,060	0.25	0.03	—	4,075
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	21,668	21,668	1.34	0.16	—	21,751
Total	—	—	—	—	—	—	—	—	—	—	—	—	52,605	52,605	3.26	0.40	—	52,805
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,900	2,900	0.18	0.02	—	2,911

Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	1,550	1,550	0.10	0.01	—	1,555
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	672	672	0.04	0.01	—	675
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	3,587	3,587	0.22	0.03	—	3,601
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,709	8,709	0.54	0.07	—	8,742

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.51	0.75	12.9	5.49	0.08	1.04	—	1.04	1.04	—	1.04	—	16,377	16,377	1.45	0.03	—	16,423
Government (Civic Center)	0.27	0.13	2.45	2.06	0.01	0.19	—	0.19	0.19	—	0.19	—	2,927	2,927	0.26	0.01	—	2,935
General Heavy Industry	0.37	0.18	3.34	2.80	0.02	0.25	—	0.25	0.25	—	0.25	—	3,983	3,983	0.35	0.01	—	3,994
Regional Shopping Center	0.27	0.13	2.43	2.04	0.01	0.19	—	0.19	0.19	—	0.19	—	2,904	2,904	0.26	0.01	—	2,913
Total	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	26,192	26,192	2.32	0.05	—	26,265

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.51	0.75	12.9	5.49	0.08	1.04	—	1.04	1.04	—	1.04	—	16,377	16,377	1.45	0.03	—	16,423
Government (Civic Center)	0.27	0.13	2.45	2.06	0.01	0.19	—	0.19	0.19	—	0.19	—	2,927	2,927	0.26	0.01	—	2,935
General Heavy Industry	0.37	0.18	3.34	2.80	0.02	0.25	—	0.25	0.25	—	0.25	—	3,983	3,983	0.35	0.01	—	3,994
Regional Shopping Center	0.27	0.13	2.43	2.04	0.01	0.19	—	0.19	0.19	—	0.19	—	2,904	2,904	0.26	0.01	—	2,913
Total	2.41	1.21	21.1	12.4	0.13	1.67	—	1.67	1.67	—	1.67	—	26,192	26,192	2.32	0.05	—	26,265
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.28	0.14	2.35	1.00	0.02	0.19	—	0.19	0.19	—	0.19	—	2,711	2,711	0.24	0.01	—	2,719
Government (Civic Center)	0.05	0.02	0.45	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	485	485	0.04	< 0.005	—	486
General Heavy Industry	0.07	0.03	0.61	0.51	< 0.005	0.05	—	0.05	0.05	—	0.05	—	659	659	0.06	< 0.005	—	661
Regional Shopping Center	0.05	0.02	0.44	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	481	481	0.04	< 0.005	—	482
Total	0.44	0.22	3.86	2.26	0.02	0.30	—	0.30	0.30	—	0.30	—	4,336	4,336	0.38	0.01	—	4,348

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	908	819	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952
Consumer Products	95.5	95.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	9.44	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	33.1	30.9	2.43	273	0.01	0.25	—	0.25	0.19	—	0.19	—	862	862	0.04	0.01	—	866
Total	1,046	955	67.5	1,867	4.08	224	—	224	220	—	220	29,356	56,953	86,309	87.6	1.07	—	88,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	908	819	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952
Consumer Products	95.5	95.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	9.44	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1,013	924	65.0	1,594	4.07	224	—	224	220	—	220	29,356	56,091	85,447	87.5	1.06	—	87,952

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	11.3	10.2	0.81	19.9	0.05	2.80	—	2.80	2.75	—	2.75	333	636	969	0.99	0.01	—	997
Consumer Products	17.4	17.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.72	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.13	3.86	0.30	34.1	< 0.005	0.03	—	0.03	0.02	—	0.02	—	97.8	97.8	< 0.005	< 0.005	—	98.2
Total	34.6	33.3	1.12	54.0	0.05	2.83	—	2.83	2.77	—	2.77	333	734	1,067	1.00	0.01	—	1,096

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	224	1,159	1,383	23.0	0.55	—	2,124
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	137	710	847	14.1	0.34	—	1,301
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	129	666	795	13.2	0.32	—	1,221

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	215	1,112	1,327	22.1	0.53	—	2,038
Total	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	224	1,159	1,383	23.0	0.55	—	2,124
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	137	710	847	14.1	0.34	—	1,301
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	129	666	795	13.2	0.32	—	1,221
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	215	1,112	1,327	22.1	0.53	—	2,038
Total	—	—	—	—	—	—	—	—	—	—	—	705	3,648	4,353	72.5	1.74	—	6,684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	37.1	192	229	3.81	0.09	—	352
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	22.7	118	140	2.34	0.06	—	215
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	21.3	110	132	2.19	0.05	—	202

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	35.6	184	220	3.66	0.09	—	337
Total	—	—	—	—	—	—	—	—	—	—	—	117	604	721	12.0	0.29	—	1,107

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	2,886	0.00	2,886	288	0.00	—	10,096
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	1,107	0.00	1,107	111	0.00	—	3,873
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	857	0.00	857	85.6	0.00	—	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	5,043	0.00	5,043	504	0.00	—	17,644
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	2,886	0.00	2,886	288	0.00	—	10,096
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	1,107	0.00	1,107	111	0.00	—	3,873
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	194	0.00	194	19.4	0.00	—	679
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	857	0.00	857	85.6	0.00	—	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	5,043	0.00	5,043	504	0.00	—	17,644
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	478	0.00	478	47.7	0.00	—	1,671
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	183	0.00	183	18.3	0.00	—	641
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	32.1	0.00	32.1	3.21	0.00	—	112
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	142	0.00	142	14.2	0.00	—	496
Total	—	—	—	—	—	—	—	—	—	—	—	835	0.00	835	83.5	0.00	—	2,921

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.27	7.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.27	7.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.5	12.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.20	1.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	458,444	458,444	458,444	167,332,060

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	157
Gas Fireplaces	2664
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	313
Conventional Wood Stoves	0
Catalytic Wood Stoves	157
Non-Catalytic Wood Stoves	157
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
4655632.95	1,551,878	3,246,699	1,082,233	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	12,019,032	532	0.0330	0.0040	51,101,987
Government (Civic Center)	6,421,380	532	0.0330	0.0040	9,133,371
General Heavy Industry	2,785,615	532	0.0330	0.0040	12,429,170
Regional Shopping Center	14,866,966	532	0.0330	0.0040	9,062,659

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	116,816,089	0.00
Government (Civic Center)	71,585,230	0.00
General Heavy Industry	67,152,225	0.00
Regional Shopping Center	112,126,316	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	5,354	—
Government (Civic Center)	2,054	—
General Heavy Industry	360	—
Regional Shopping Center	1,589	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Government (Civic Center)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government (Civic Center)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

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Screen	Justification
Land Use	Existing land use metrics provided by the Existing Land Use and Parcel Analysis prepared by the Arroyo Group.

Norwalk SP - Future 2040 w Plan Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Norwalk SP - Future 2040 w Plan
Operational Year	2040
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.00
Location	33.909079, -118.076891
County	Los Angeles-South Coast
City	Norwalk
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4865
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	6,218	Dwelling Unit	389	4,584,496	0.00	—	28,225	—

Government (Civic Center)	307	1000sqft	24.1	307,330	0.00	—	—	—
General Heavy Industry	272	1000sqft	21.0	272,078	0.00	—	—	—
Regional Shopping Center	1,238	1000sqft	126	1,237,990	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2,037	1,846	211	4,453	11.1	448	319	767	440	81.0	521	64,728	509,132	573,860	838	12.3	269	598,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1,989	1,802	212	3,900	11.0	448	319	766	439	81.0	520	64,728	495,452	560,180	838	12.7	114	585,025
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	344	319	95.2	1,283	3.50	34.3	317	351	33.6	80.5	114	10,473	395,909	406,383	676	10.8	179	426,687
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	62.7	58.2	17.4	234	0.64	6.26	57.9	64.1	6.13	14.7	20.8	1,734	65,547	67,281	112	1.79	29.6	70,643

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	36.0	27.0	45.4	840	2.81	1.05	319	320	0.99	81.0	82.0	—	286,777	286,777	6.45	7.54	159	289,343
Area	1,997	1,817	133	3,596	8.09	444	—	444	436	—	436	58,243	112,555	170,798	174	2.12	—	175,773
Energy	3.79	1.89	32.8	17.0	0.21	2.62	—	2.62	2.62	—	2.62	—	105,361	105,361	7.62	0.56	—	105,718
Water	—	—	—	—	—	—	—	—	—	—	—	857	4,439	5,297	88.2	2.12	—	8,134
Waste	—	—	—	—	—	—	—	—	—	—	—	5,627	0.00	5,627	562	0.00	—	19,686
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110
Total	2,037	1,846	211	4,453	11.1	448	319	767	440	81.0	521	64,728	509,132	573,860	838	12.3	269	598,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	35.3	26.5	49.8	721	2.69	1.05	319	320	0.99	81.0	82.0	—	274,365	274,365	6.32	7.88	4.12	276,876
Area	1,950	1,774	129	3,162	8.07	444	—	444	436	—	436	58,243	111,287	169,530	174	2.11	—	174,500
Energy	3.79	1.89	32.8	17.0	0.21	2.62	—	2.62	2.62	—	2.62	—	105,361	105,361	7.62	0.56	—	105,718
Water	—	—	—	—	—	—	—	—	—	—	—	857	4,439	5,297	88.2	2.12	—	8,134
Waste	—	—	—	—	—	—	—	—	—	—	—	5,627	0.00	5,627	562	0.00	—	19,686
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110
Total	1,989	1,802	212	3,900	11.0	448	319	766	439	81.0	520	64,728	495,452	560,180	838	12.7	114	585,025
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	35.4	26.6	50.8	752	2.72	1.05	317	318	0.98	80.5	81.5	—	277,618	277,618	6.35	7.95	68.5	280,215
Area	305	291	11.5	514	0.57	30.6	—	30.6	30.0	—	30.0	3,989	8,491	12,480	11.9	0.15	—	12,824
Energy	3.79	1.89	32.8	17.0	0.21	2.62	—	2.62	2.62	—	2.62	—	105,361	105,361	7.62	0.56	—	105,718
Water	—	—	—	—	—	—	—	—	—	—	—	857	4,439	5,297	88.2	2.12	—	8,134
Waste	—	—	—	—	—	—	—	—	—	—	—	5,627	0.00	5,627	562	0.00	—	19,686
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110

Total	344	319	95.2	1,283	3.50	34.3	317	351	33.6	80.5	114	10,473	395,909	406,383	676	10.8	179	426,687
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.47	4.86	9.28	137	0.50	0.19	57.9	58.1	0.18	14.7	14.9	—	45,963	45,963	1.05	1.32	11.3	46,393
Area	55.6	53.0	2.10	93.7	0.10	5.59	—	5.59	5.48	—	5.48	660	1,406	2,066	1.98	0.03	—	2,123
Energy	0.69	0.35	5.99	3.09	0.04	0.48	—	0.48	0.48	—	0.48	—	17,444	17,444	1.26	0.09	—	17,503
Water	—	—	—	—	—	—	—	—	—	—	—	142	735	877	14.6	0.35	—	1,347
Waste	—	—	—	—	—	—	—	—	—	—	—	932	0.00	932	93.1	0.00	—	3,259
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.3	18.3
Total	62.7	58.2	17.4	234	0.64	6.26	57.9	64.1	6.13	14.7	20.8	1,734	65,547	67,281	112	1.79	29.6	70,643

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	34,756	34,756	2.16	0.26	—	34,887

Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	7,982	7,982	0.50	0.06	—	8,012
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	3,804	3,804	0.24	0.03	—	3,818
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	17,721	17,721	1.10	0.13	—	17,788
Total	—	—	—	—	—	—	—	—	—	—	—	—	64,263	64,263	3.99	0.48	—	64,507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	34,756	34,756	2.16	0.26	—	34,887
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	7,982	7,982	0.50	0.06	—	8,012
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	3,804	3,804	0.24	0.03	—	3,818
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	17,721	17,721	1.10	0.13	—	17,788
Total	—	—	—	—	—	—	—	—	—	—	—	—	64,263	64,263	3.99	0.48	—	64,507
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	5,754	5,754	0.36	0.04	—	5,776

Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	1,322	1,322	0.08	0.01	—	1,327
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	630	630	0.04	< 0.005	—	632
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	2,934	2,934	0.18	0.02	—	2,945
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,640	10,640	0.66	0.08	—	10,680

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	3.00	1.50	25.6	10.9	0.16	2.07	—	2.07	2.07	—	2.07	—	32,494	32,494	2.88	0.06	—	32,584
Government (Civic Center)	0.23	0.12	2.09	1.76	0.01	0.16	—	0.16	0.16	—	0.16	—	2,496	2,496	0.22	< 0.005	—	2,503
General Heavy Industry	0.34	0.17	3.13	2.63	0.02	0.24	—	0.24	0.24	—	0.24	—	3,732	3,732	0.33	0.01	—	3,743
Regional Shopping Center	0.22	0.11	1.99	1.67	0.01	0.15	—	0.15	0.15	—	0.15	—	2,375	2,375	0.21	< 0.005	—	2,382
Total	3.79	1.89	32.8	17.0	0.21	2.62	—	2.62	2.62	—	2.62	—	41,098	41,098	3.64	0.08	—	41,212

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	3.00	1.50	25.6	10.9	0.16	2.07	—	2.07	2.07	—	2.07	—	32,494	32,494	2.88	0.06	—	32,584
Government (Civic Center)	0.23	0.12	2.09	1.76	0.01	0.16	—	0.16	0.16	—	0.16	—	2,496	2,496	0.22	< 0.005	—	2,503
General Heavy Industry	0.34	0.17	3.13	2.63	0.02	0.24	—	0.24	0.24	—	0.24	—	3,732	3,732	0.33	0.01	—	3,743
Regional Shopping Center	0.22	0.11	1.99	1.67	0.01	0.15	—	0.15	0.15	—	0.15	—	2,375	2,375	0.21	< 0.005	—	2,382
Total	3.79	1.89	32.8	17.0	0.21	2.62	—	2.62	2.62	—	2.62	—	41,098	41,098	3.64	0.08	—	41,212
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.55	0.27	4.67	1.99	0.03	0.38	—	0.38	0.38	—	0.38	—	5,380	5,380	0.48	0.01	—	5,395
Government (Civic Center)	0.04	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	413	413	0.04	< 0.005	—	414
General Heavy Industry	0.06	0.03	0.57	0.48	< 0.005	0.04	—	0.04	0.04	—	0.04	—	618	618	0.05	< 0.005	—	620
Regional Shopping Center	0.04	0.02	0.36	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	393	393	0.03	< 0.005	—	394
Total	0.69	0.35	5.99	3.09	0.04	0.48	—	0.48	0.48	—	0.48	—	6,804	6,804	0.60	0.01	—	6,823

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1,801	1,624	129	3,162	8.07	444	—	444	436	—	436	58,243	111,287	169,530	174	2.11	—	174,500
Consumer Products	137	137	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	46.4	43.6	3.92	434	0.02	0.30	—	0.30	0.23	—	0.23	—	1,268	1,268	0.05	0.01	—	1,273
Total	1,997	1,817	133	3,596	8.09	444	—	444	436	—	436	58,243	112,555	170,798	174	2.12	—	175,773
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1,801	1,624	129	3,162	8.07	444	—	444	436	—	436	58,243	111,287	169,530	174	2.11	—	174,500
Consumer Products	137	137	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1,950	1,774	129	3,162	8.07	444	—	444	436	—	436	58,243	111,287	169,530	174	2.11	—	174,500

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	22.5	20.3	1.61	39.5	0.10	5.55	—	5.55	5.45	—	5.45	660	1,262	1,922	1.97	0.02	—	1,979
Consumer Products	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.28	2.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.80	5.45	0.49	54.2	< 0.005	0.04	—	0.04	0.03	—	0.03	—	144	144	0.01	< 0.005	—	144
Total	55.6	53.0	2.10	93.7	0.10	5.59	—	5.59	5.48	—	5.48	660	1,406	2,066	1.98	0.03	—	2,123

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	444	2,300	2,744	45.7	1.10	—	4,213
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	117	606	723	12.0	0.29	—	1,110
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	121	624	745	12.4	0.30	—	1,144

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	176	910	1,086	18.1	0.43	—	1,667
Total	—	—	—	—	—	—	—	—	—	—	—	857	4,439	5,297	88.2	2.12	—	8,134
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	444	2,300	2,744	45.7	1.10	—	4,213
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	117	606	723	12.0	0.29	—	1,110
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	121	624	745	12.4	0.30	—	1,144
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	176	910	1,086	18.1	0.43	—	1,667
Total	—	—	—	—	—	—	—	—	—	—	—	857	4,439	5,297	88.2	2.12	—	8,134
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	73.5	381	454	7.56	0.18	—	698
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	19.4	100	120	1.99	0.05	—	184
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	20.0	103	123	2.05	0.05	—	189

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	29.1	151	180	2.99	0.07	—	276
Total	—	—	—	—	—	—	—	—	—	—	—	142	735	877	14.6	0.35	—	1,347

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3,800	0.00	3,800	380	0.00	—	13,295
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	944	0.00	944	94.4	0.00	—	3,303
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	636
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	701	0.00	701	70.0	0.00	—	2,451
Total	—	—	—	—	—	—	—	—	—	—	—	5,627	0.00	5,627	562	0.00	—	19,686
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	3,800	0.00	3,800	380	0.00	—	13,295
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	944	0.00	944	94.4	0.00	—	3,303
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	636
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	701	0.00	701	70.0	0.00	—	2,451
Total	—	—	—	—	—	—	—	—	—	—	—	5,627	0.00	5,627	562	0.00	—	19,686
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	629	0.00	629	62.9	0.00	—	2,201
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	156	0.00	156	15.6	0.00	—	547
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	30.1	0.00	30.1	3.01	0.00	—	105
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	116	0.00	116	11.6	0.00	—	406
Total	—	—	—	—	—	—	—	—	—	—	—	932	0.00	932	93.1	0.00	—	3,259

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.8	32.8
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70.8	70.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.94	5.94
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.8	32.8
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70.8	70.8

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.94	5.94
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.44	5.44
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.7	11.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.98	0.98
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.3	18.3

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	449,962	449,462	449,462	164,183,987

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	311
Gas Fireplaces	5285
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	622
Conventional Wood Stoves	0
Catalytic Wood Stoves	311
Non-Catalytic Wood Stoves	311
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
9283604.4	3,094,535	2,726,097	908,699	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	23,846,312	532	0.0330	0.0040	101,388,690
Government (Civic Center)	5,476,709	532	0.0330	0.0040	7,789,730
General Heavy Industry	2,609,972	532	0.0330	0.0040	11,645,467
Regional Shopping Center	12,158,753	532	0.0330	0.0040	7,411,777

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	231,768,488	0.00
Government (Civic Center)	61,054,081	0.00
General Heavy Industry	62,918,037	0.00
Regional Shopping Center	91,701,041	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	7,051	—
Government (Civic Center)	1,752	—
General Heavy Industry	337	—
Regional Shopping Center	1,300	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Government (Civic Center)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government (Civic Center)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

7. Health and Equity Details

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Land uses reflect the Plan Area with implementation of the Plan.

APPENDIX 3.3

Tribal Consultation

811 West 7th Street, Suite 200
Los Angeles, California 90017
www.impactsciences.com

Sent via email on April 24, 2024 to: Andrew.Green@nahc.ca.gov

NATIVE AMERICAN HERITAGE COMMISSION
Environmental and Cultural Department
1550 Harbor Boulevard, Suite 100
West Sacramento, CA 95691
(916) 373-3710

Information Below is Required for a Sacred Lands File Search

Project: Heart of Norwalk Specific Plan

County: Los Angeles

USGS Quadrangle Name: Los Angeles, California

Township: 3 South **Range**: 11 West

Company/Firm/Agency: Impact Sciences, Inc.

Contact Person: Eleni Getachew

Street Address: 811 W. 7th Street, Suite 200

City: Los Angeles **Zip**: 90017

Phone: (805) 453-2862

Email: egetachew@impactsciences.com

PROJECT DESCRIPTION

The City of Norwalk (City) is preparing a proposed Specific Plan to guide the future growth and development of the City's central commercial areas. The purpose of the Heart of Norwalk Specific Plan is to revitalize the underutilized corridors within the center of the City and spur development of new commercial and residential uses, while balancing place making and open

spaces. Some of the key themes of the Specific Plan revolve around: making places, connecting with corridors, and supporting the social element. These environments would incorporate a variety of urban residential uses, places to walk and spend time, nightlife and spaces that can encourage and celebrate local culture, such as performing arts spaces.

We appreciate your assistance in responding to this query. Your response will help ensure that our analysis is accurate and complete. To ensure a timely completion of our analysis, please provide your response (via mail, or email) no later than May 24, 2024.

If you have any questions or require any additional information, please contact me at (805) 453-2862 or via email at egetachew@impactsciences.com.

Sincerely,

Eleni Getachew
Planner

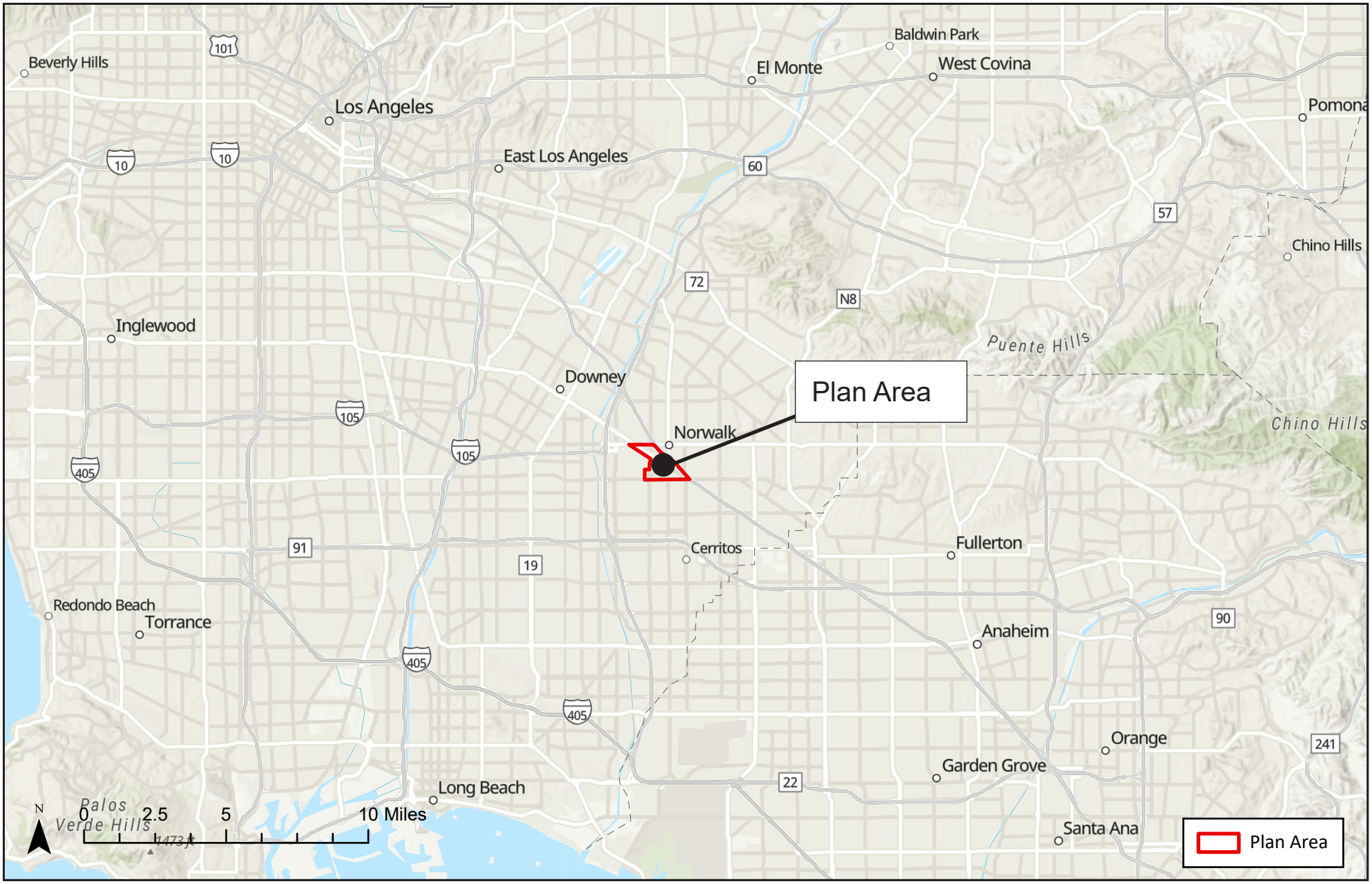
IMPACT SCIENCES

811 W. 7th Street, Suite 200
Los Angeles, CA 90017
egetachew@impactsciences.com

Attachments: Notice of Preparation

Figure 1 – Regional Location

Figure 2 – Plan Area



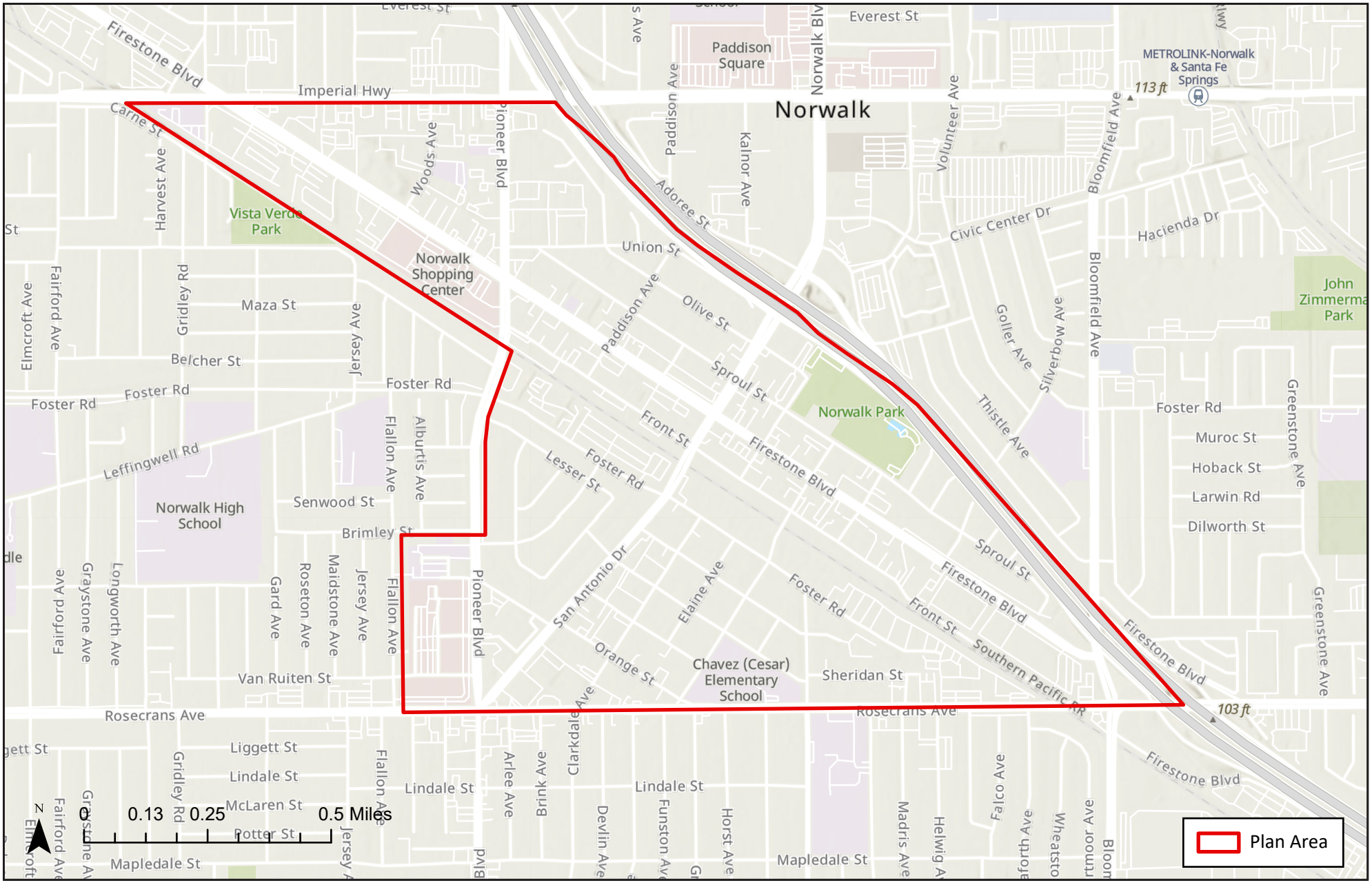
SOURCE: Esri 2023

FIGURE 1

Regional Location

IMPACT SCIENCES

1335.007•12/23



SOURCE: Esri 2023

FIGURE **2**

IMPACT SCIENCES

Plan Area

1335.007•12/23

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

May 13, 2024

Eleni Getachew
Impact Sciences, Inc.

Via Email to: egetachew@impactsciences.com

Re: Heart of Norwalk Specific Plan Project, Los Angeles County

To Whom It May Concern:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

APPENDIX 3.8

Noise & Vibration Technical Data

NOISE MONITORING FIELD REPORT

Project Name: Heart of Norwalk Specific Plan

Monitoring Location: Pine Street

Date: 11/29/23 Site Number: 1 (day)

Measured By: Annalie Sarrieddine

Measurement Start Time: 7:03 AM

Measurement End Time: 7:18 AM

Total Measurement Time: 15 min.

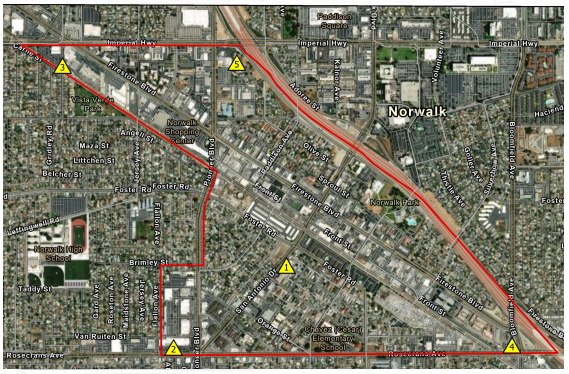
Noise Meter Model: Larson Davis Soundtrack LxT Calibration: 94.0 (dBA)

Meter Setting: A-Weighted Sound Level (SLOW)

Session File Name: LxT_Data 286 s

Primary Noise Sources: Vehicle Traffic, Neighborhood Activity

Site Map



Data Summary

Noise Scale	Noise Level (dBA)
L_{eq}	48.8
L_{max}	64.8
L_{min}	40.6

Other Noise Sources During Monitoring

1. _____ Time: _____
2. _____ Time: _____
3. _____ Time: _____
4. _____ Time: _____
5. _____ Time: _____

Additional Notes:

_____

_____

_____

_____

_____

IMPACT SCIENCES

Measurement Report

Report Summary

Meter's File Name	LxT_Data.286.s	Computer's File Name	LxT_0005667-20231129 070302-LxT_Data.286.ldbin
Meter	LxT1 0005667	Firmware	2.302
User		Location	
Job Description			
Note			

Start Time	2023-11-29 07:03:02	Duration	0:15:00.0		
End Time	2023-11-29 07:18:02	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2023-11-29 06:35:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	48.8 dB		
LAE	78.3 dB	SEA	--- dB
EA	7.6 µPa²h		
EA8	242.7 µPa²h		
EA40	1.2 mPa²h		
LA_{peak}	84.3 dB	2023-11-29 07:17:30	
LAS_{max}	64.8 dB	2023-11-29 07:04:12	
LAS_{min}	40.6 dB	2023-11-29 07:16:14	
LA_{eq}	48.8 dB		
LC_{eq}	60.9 dB	LC_{eq} - LA_{eq}	12.1 dB
LAI_{eq}	51.6 dB	LAI_{eq} - LA_{eq}	2.8 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	48.8 dB		60.9 dB		--- dB	
$Ls_{(max)}$	64.8 dB	2023-11-29 07:04:12	--- dB	None	--- dB	None
$LS_{(min)}$	40.6 dB	2023-11-29 07:16:14	--- dB	None	--- dB	None
$L_{Peak(max)}$	84.3 dB	2023-11-29 07:17:30	--- dB	None	--- dB	None

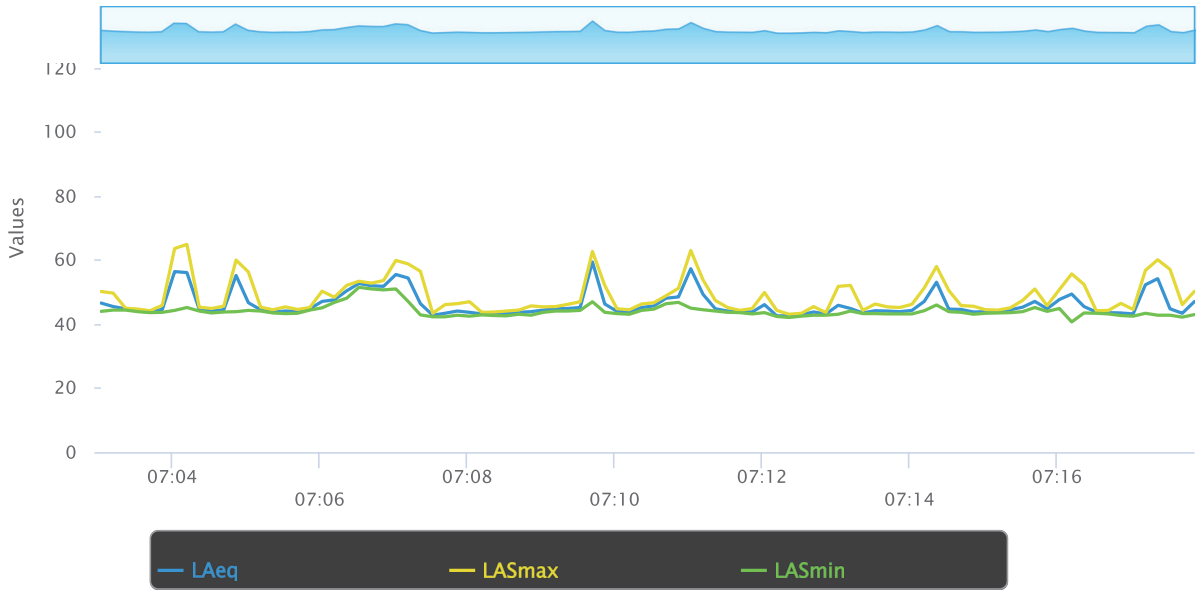
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	51.3 dB
LAS 33.3	45.1 dB
LAS 66.7	43.8 dB
LAS 90.0	43.0 dB

Time History


120
100
80
60
40
20
0
Values
07:04
07:06
07:08
07:10
07:12
07:14
07:16
LAeq
LASmax
LASmin

NOISE MONITORING FIELD REPORT

Project Name: Heart of Norwalk Specific Plan

Monitoring Location: Pine Street

Date: 11/29/23 Site Number: 1 (Evening)

Measured By: Annalie Sarrieddine

Measurement Start Time: 8:18PM

Measurement End Time: 8:33PM

Total Measurement Time: 15 min.

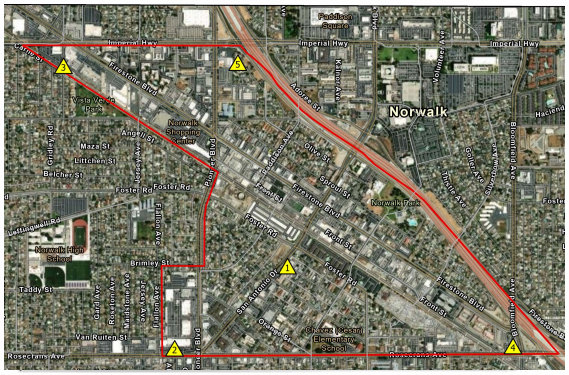
Noise Meter Model: Larson Davis Soundtrack LxT Calibration: 94.0 (dBA)

Meter Setting: A-Weighted Sound Level (SLOW)

Session File Name: LxTData 291s

Primary Noise Sources: Vehicle Traffic, Neighborhood Activity

Site Map



Data Summary

Noise Scale	Noise Level (dBA)
L_{eq}	51.1
L_{max}	67.0
L_{min}	34.5

Other Noise Sources During Monitoring

1. _____ Time: _____
2. _____ Time: _____
3. _____ Time: _____
4. _____ Time: _____
5. _____ Time: _____

Additional Notes:

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IMPACT SCIENCES

Measurement Report

Report Summary

Meter's File Name	LxT_Data.291.s	Computer's File Name	LxT_0005667-20231129 201822-LxT_Data.291.ldbin
Meter	LxT1 0005667	Firmware	2.302
User		Location	
Job Description			
Note			

Start Time	2023-11-29 20:18:22	Duration	0:15:00.0		
End Time	2023-11-29 20:33:22	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2023-11-29 06:35:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	51.1 dB		
LAE	80.6 dB	SEA	--- dB
EA	12.9 µPa²h		
EA8	412.2 µPa²h		
EA40	2.1 mPa²h		
LA_{peak}	102.3 dB	2023-11-29 20:19:01	
LAS_{max}	67.0 dB	2023-11-29 20:32:05	
LAS_{min}	34.5 dB	2023-11-29 20:24:32	
LA_{eq}	51.1 dB		
LC_{eq}	59.0 dB	LC_{eq} - LA_{eq}	7.9 dB
LAI_{eq}	58.1 dB	LAI_{eq} - LA_{eq}	7.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	51.1 dB		59.0 dB		--- dB	
$Ls_{(max)}$	67.0 dB	2023-11-29 20:32:05	--- dB	None	--- dB	None
$LS_{(min)}$	34.5 dB	2023-11-29 20:24:32	--- dB	None	--- dB	None
$L_{Peak(max)}$	102.3 dB	2023-11-29 20:19:01	--- dB	None	--- dB	None

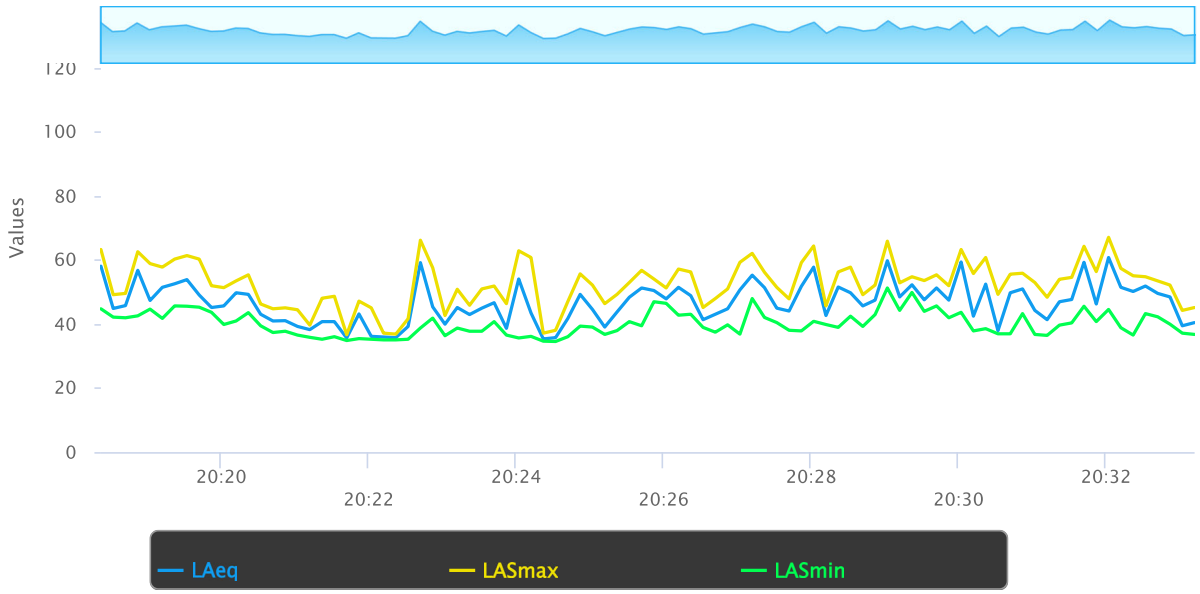
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	53.6 dB
LAS 33.3	47.6 dB
LAS 66.7	41.7 dB
LAS 90.0	37.0 dB

Time History


120
100
80
60
40
20
0
Values
20:20
20:22
20:24
20:26
20:28
20:30
20:32
LAeq
LASmax
LASmin

NOISE MONITORING FIELD REPORT

Project Name: Heart of Norwalk Specific Plan

Monitoring Location: Pine Street

Date: 11/29/23 Site Number: 1 (night)

Measured By: Annalie Sarrieddine

Measurement Start Time: 6:36 AM

Measurement End Time: 6:51 AM

Total Measurement Time: 15 min.

Noise Meter Model: Larson Davis Soundtrack LxT Calibration: 94.0 (dBA)

Meter Setting: A-Weighted Sound Level (SLOW)

Session File Name: LxT Data 285s

Primary Noise Sources: Vehicle Traffic, Neighborhood Activity

Site Map



Data Summary

Noise Scale	Noise Level (dBA)
L_{eq}	49.7
L_{max}	68.7
L_{min}	44.6

Other Noise Sources During Monitoring

1. _____ Time: _____
2. _____ Time: _____
3. _____ Time: _____
4. _____ Time: _____
5. _____ Time: _____

Additional Notes:

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IMPACT SCIENCES

Measurement Report

Report Summary

Meter's File Name	LxT_Data.285.s	Computer's File Name	LxT_0005667-20231129 063633-LxT_Data.285.ldbin
Meter	LxT1 0005667	Firmware	2.302
User		Location	
Job Description			
Note			

Start Time	2023-11-29 06:36:33	Duration	0:15:00.0		
End Time	2023-11-29 06:51:33	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2023-11-29 06:35:57	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	49.7 dB		
LAE	79.2 dB	SEA	--- dB
EA	9.3 µPa²h		
EA8	298.6 µPa²h		
EA40	1.5 mPa²h		
LA_{peak}	90.3 dB	2023-11-29 06:45:03	
LAS_{max}	68.7 dB	2023-11-29 06:39:57	
LAS_{min}	44.6 dB	2023-11-29 06:49:56	
LA_{eq}	49.7 dB		
LC_{eq}	60.0 dB	LC_{eq} - LA_{eq}	10.3 dB
LAI_{eq}	53.3 dB	LAI_{eq} - LA_{eq}	3.6 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	49.7 dB		60.0 dB		--- dB	
$Ls_{(max)}$	68.7 dB	2023-11-29 06:39:57	--- dB	None	--- dB	None
$LS_{(min)}$	44.6 dB	2023-11-29 06:49:56	--- dB	None	--- dB	None
$L_{Peak(max)}$	90.3 dB	2023-11-29 06:45:03	--- dB	None	--- dB	None

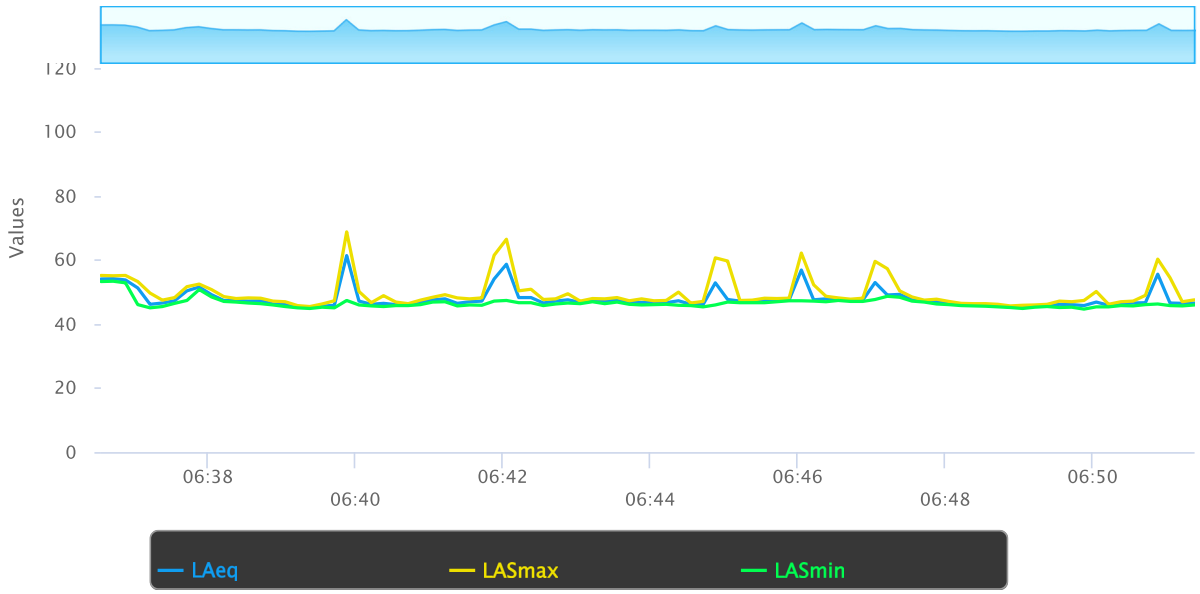
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	50.6 dB
LAS 33.3	47.4 dB
LAS 66.7	46.4 dB
LAS 90.0	45.6 dB

Time History


120
100
80
60
40
20
0
Values
06:38
06:40
06:42
06:44
06:46
06:48
06:50
LAeq
LASmax
LASmin

NOISE MONITORING FIELD REPORT

Project Name: Heart of Norwalk Specific Plan

Monitoring Location: Norwalk Town Square

Date: 11/29/24 Site Number: 2

Measured By: Annalie Sarrieddine

Measurement Start Time: 7:41 am

Measurement End Time: 7:56 am

Total Measurement Time: 15 min.

Noise Meter Model: Larson Davis Soundtrack LxT Calibration: 94.0 (dBA)

Meter Setting: A-Weighted Sound Level (SLOW)

Session File Name: LxL_Data 2875

Primary Noise Sources: Vehicle Traffic, Parking lot activity

Site Map



Data Summary

Noise Scale	Noise Level (dBA)
L_{eq}	53.6
L_{max}	69.2
L_{min}	45.0

Other Noise Sources During Monitoring

1. _____ Time: _____
2. _____ Time: _____
3. _____ Time: _____
4. _____ Time: _____
5. _____ Time: _____

Additional Notes:

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IMPACT SCIENCES

Measurement Report

Report Summary

Meter's File Name	LxT_Data.287.s	Computer's File Name	LxT_0005667-20231129 074129-LxT_Data.287.ldbin
Meter	LxT1 0005667	Firmware	2.302
User		Location	
Job Description			
Note			

Start Time	2023-11-29 07:41:29	Duration	0:15:00.0		
End Time	2023-11-29 07:56:29	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2023-11-29 06:35:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	53.6 dB		
LAE	83.1 dB	SEA	--- dB
EA	22.9 µPa²h		
EA8	733.1 µPa²h		
EA40	3.7 mPa²h		
LA_{peak}	87.0 dB	2023-11-29 07:43:53	
LAS_{max}	69.2 dB	2023-11-29 07:51:53	
LAS_{min}	45.0 dB	2023-11-29 07:53:22	
LA_{eq}	53.6 dB		
LC_{eq}	68.1 dB	LC_{eq} - LA_{eq}	14.5 dB
LAI_{eq}	57.3 dB	LAI_{eq} - LA_{eq}	3.7 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	53.6 dB		68.1 dB		--- dB	
$Ls_{(max)}$	69.2 dB	2023-11-29 07:51:53	--- dB	None	--- dB	None
$LS_{(min)}$	45.0 dB	2023-11-29 07:53:22	--- dB	None	--- dB	None
$L_{Peak(max)}$	87.0 dB	2023-11-29 07:43:53	--- dB	None	--- dB	None

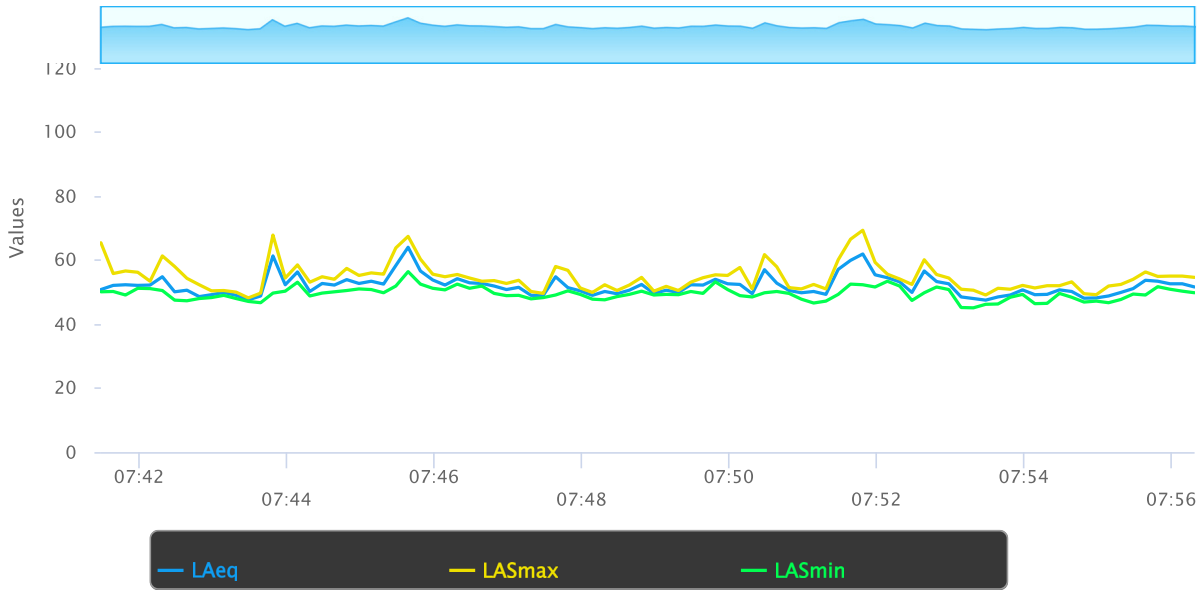
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

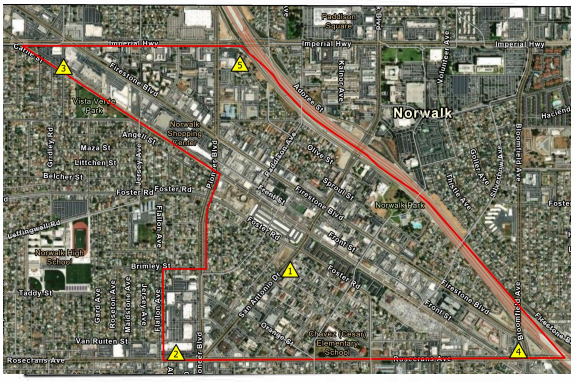
LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	55.1 dB
LAS 33.3	52.4 dB
LAS 66.7	49.9 dB
LAS 90.0	48.2 dB

Time History


120
100
80
60
40
20
0
Values
07:42
07:44
07:46
07:48
07:50
07:52
07:54
07:56
LAeq
LASmax
LASmin

NOISE MONITORING FIELD REPORT

Site Map



Project Name: Heart of Norwalk Specific Plan

Monitoring Location: Orr & Day Road

Date: 11/24/23 Site Number: 3

Measured By: Annalie Sarrieddine

Measurement Start Time: 8:05 AM

Measurement End Time: 8:20 AM

Total Measurement Time: 15 min.

Noise Meter Model: Larson Davis Soundtrack LxT Calibration: 94.0 (dBA)

Meter Setting: A-Weighted Sound Level (SLOW)

Session File Name: LxT_Data 288s

Primary Noise Sources: Vehicle Traffic, Parking Lot Activity

Data Summary

Noise Scale	Noise Level (dBA)
L_{eq}	53.9
L_{max}	68.1
L_{min}	43.3

Other Noise Sources During Monitoring

1. _____ Time: _____
2. _____ Time: _____
3. _____ Time: _____
4. _____ Time: _____
5. _____ Time: _____

Additional Notes:

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IMPACT SCIENCES

Measurement Report

Report Summary

Meter's File Name	LxT_Data.288.s	Computer's File Name	LxT_0005667-20231129 080501-LxT_Data.288.ldbin
Meter	LxT1 0005667	Firmware	2.302
User		Location	
Job Description			
Note			

Start Time	2023-11-29 08:05:01	Duration	0:15:00.0		
End Time	2023-11-29 08:20:01	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2023-11-29 06:35:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	53.9 dB		
LAE	83.4 dB	SEA	--- dB
EA	24.5 µPa²h		
EA8	785.5 µPa²h		
EA40	3.9 mPa²h		
LA_{peak}	89.0 dB	2023-11-29 08:19:24	
LAS_{max}	68.1 dB	2023-11-29 08:19:01	
LAS_{min}	43.3 dB	2023-11-29 08:12:09	
LA_{eq}	53.9 dB		
LC_{eq}	69.1 dB	LC_{eq} - LA_{eq}	15.2 dB
LAI_{eq}	56.5 dB	LAI_{eq} - LA_{eq}	2.6 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	53.9 dB		69.1 dB		--- dB	
$Ls_{(max)}$	68.1 dB	2023-11-29 08:19:01	--- dB	None	--- dB	None
$LS_{(min)}$	43.3 dB	2023-11-29 08:12:09	--- dB	None	--- dB	None
$L_{Peak(max)}$	89.0 dB	2023-11-29 08:19:24	--- dB	None	--- dB	None

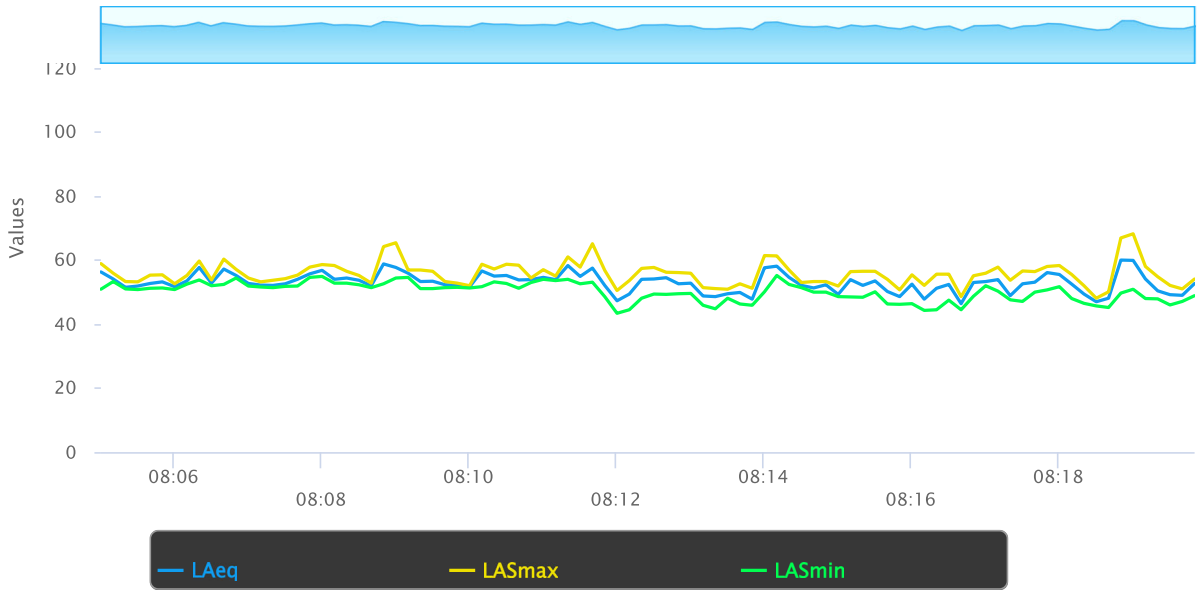
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

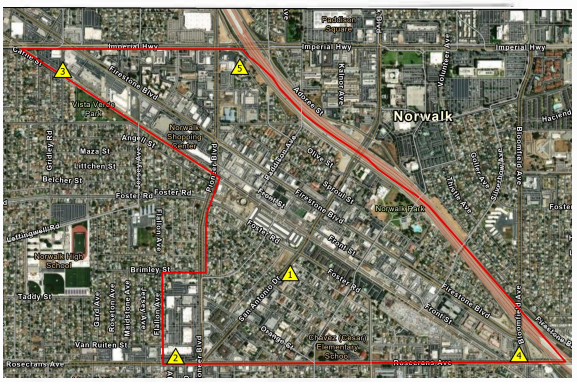
LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	56.3 dB
LAS 33.3	53.8 dB
LAS 66.7	51.5 dB
LAS 90.0	48.0 dB

Time History


120
100
80
60
40
20
0
Values
08:06
08:08
08:10
08:12
08:14
08:16
08:18
LAeq
LASmax
LASmin

NOISE MONITORING FIELD REPORT

Site Map



Project Name: Heart of Norwalk Specific Plan

Monitoring Location: Rosecrans Ave

Date: 11/29/23 Site Number: 4

Measured By: Annalie Sarrieddine

Measurement Start Time: 8:32 AM

Measurement End Time: 8:47 AM

Total Measurement Time: 15 min.

Noise Meter Model: Larson Davis Soundtrack LxT Calibration: 94.0 (dBA)

Meter Setting: A-Weighted Sound Level (SLOW)

Session File Name: Lxt_Data 289 s

Primary Noise Sources: Vehicle Traffic

Data Summary

Noise Scale	Noise Level (dBA)
L_{eq}	58.5
L_{max}	71.0
L_{min}	47.2

Other Noise Sources During Monitoring

1. _____ Time: _____
2. _____ Time: _____
3. _____ Time: _____
4. _____ Time: _____
5. _____ Time: _____

Additional Notes:

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IMPACT SCIENCES

Measurement Report

Report Summary

Meter's File Name	LxT_Data.289.s	Computer's File Name	LxT_0005667-20231129 083244-LxT_Data.289.ldbin
Meter	LxT1 0005667	Firmware	2.302
User		Location	
Job Description			
Note			

Start Time	2023-11-29 08:32:44	Duration	0:15:00.0		
End Time	2023-11-29 08:47:44	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2023-11-29 06:35:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	58.5 dB		
LAE	88.0 dB	SEA	--- dB
EA	70.8 µPa²h		
EA8	2.3 mPa²h		
EA40	11.3 mPa²h		
LA_{peak}	103.8 dB	2023-11-29 08:42:24	
LAS_{max}	71.0 dB	2023-11-29 08:34:03	
LAS_{min}	47.2 dB	2023-11-29 08:43:30	
LA_{eq}	58.5 dB		
LC_{eq}	68.8 dB	LC_{eq} - LA_{eq}	10.3 dB
LAI_{eq}	61.1 dB	LAI_{eq} - LA_{eq}	2.6 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	58.5 dB		68.8 dB		--- dB	
$Ls_{(max)}$	71.0 dB	2023-11-29 08:34:03	--- dB	None	--- dB	None
$LS_{(min)}$	47.2 dB	2023-11-29 08:43:30	--- dB	None	--- dB	None
$L_{Peak(max)}$	103.8 dB	2023-11-29 08:42:24	--- dB	None	--- dB	None

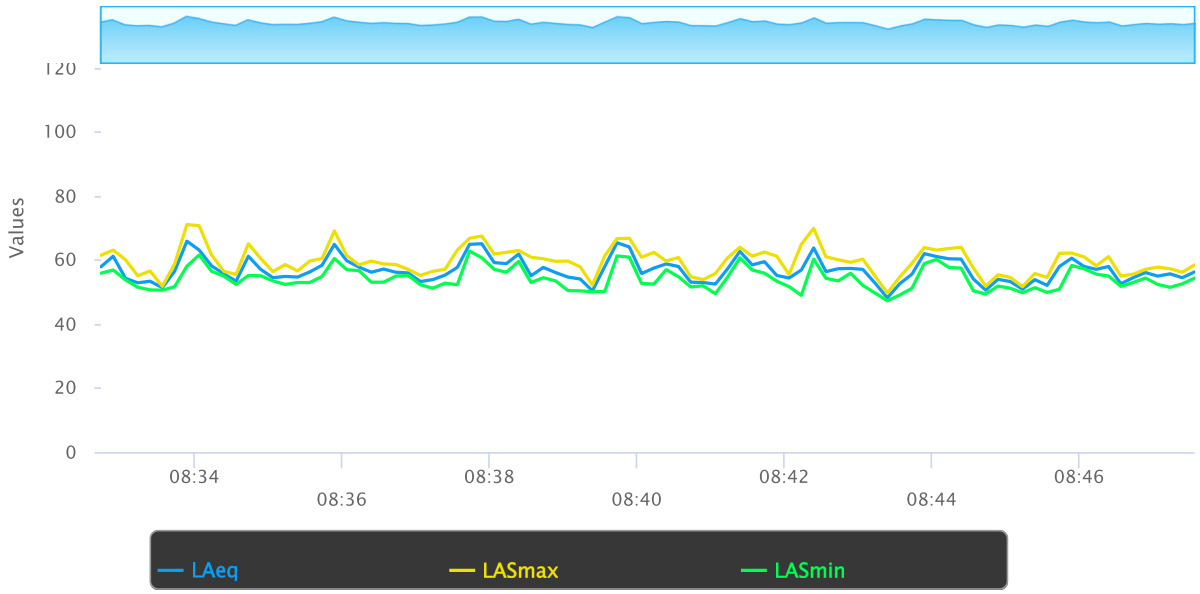
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

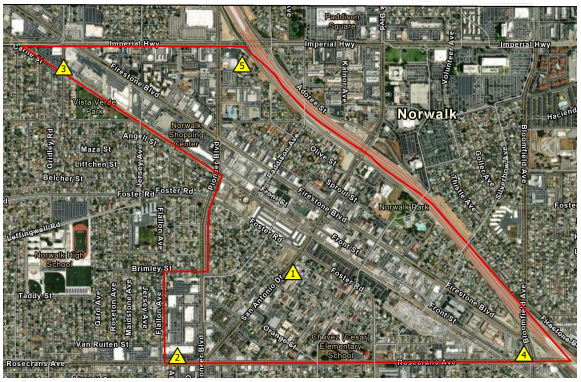
LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	62.0 dB
LAS 33.3	57.8 dB
LAS 66.7	54.3 dB
LAS 90.0	51.6 dB

Time History


120
100
80
60
40
20
0
Values
08:34
08:36
08:38
08:40
08:42
08:44
08:46
LAeq
LASmax
LASmin

NOISE MONITORING FIELD REPORT

Site Map



Project Name: Heart of Norwalk Specific Plan

Monitoring Location: Lyndora Street

Date: [redacted] 11/29/23 Site Number: 5

Measured By: Annalie Sarrieddine

Measurement Start Time: 9:02 am

Measurement End Time: 9:17 am

Total Measurement Time: 15 min.

Noise Meter Model: Larson Davis Soundtrack LxT Calibration: 94.0 (dBA)

Meter Setting: A-Weighted Sound Level (SLOW)

Session File Name: LxT_Data 290s

Primary Noise Sources: Vehicle Traffic, Neighborhood Activity

Data Summary

Noise Scale	Noise Level (dBA)
L_{eq}	54.5
L_{max}	70.4
L_{min}	36.9

Other Noise Sources During Monitoring

1. _____ Time: _____
2. _____ Time: _____
3. _____ Time: _____
4. _____ Time: _____
5. _____ Time: _____

Additional Notes:

IMPACT SCIENCES

Measurement Report

Report Summary

Meter's File Name	LxT_Data.290.s	Computer's File Name	LxT_0005667-20231129 090215-LxT_Data.290.ldbin
Meter	LxT1 0005667	Firmware	2.302
User		Location	
Job Description			
Note			

Start Time	2023-11-29 09:02:15	Duration	0:15:00.0		
End Time	2023-11-29 09:17:15	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2023-11-29 06:35:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	54.5 dB		
LAE	84.0 dB	SEA	--- dB
EA	28.2 µPa²h		
EA8	901.9 µPa²h		
EA40	4.5 mPa²h		
LA_{peak}	94.7 dB	2023-11-29 09:02:30	
LAS_{max}	70.4 dB	2023-11-29 09:02:30	
LAS_{min}	36.9 dB	2023-11-29 09:14:32	
LA_{eq}	54.5 dB		
LC_{eq}	70.9 dB	LC_{eq} - LA_{eq}	16.4 dB
LAI_{eq}	61.4 dB	LAI_{eq} - LA_{eq}	6.9 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
--- dB	--- dB	0.0 dB

LDEN	LDay	LEve	LNight
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	54.5 dB		70.9 dB		--- dB	
$Ls_{(max)}$	70.4 dB	2023-11-29 09:02:30	--- dB	None	--- dB	None
$LS_{(min)}$	36.9 dB	2023-11-29 09:14:32	--- dB	None	--- dB	None
$L_{Peak(max)}$	94.7 dB	2023-11-29 09:02:30	--- dB	None	--- dB	None

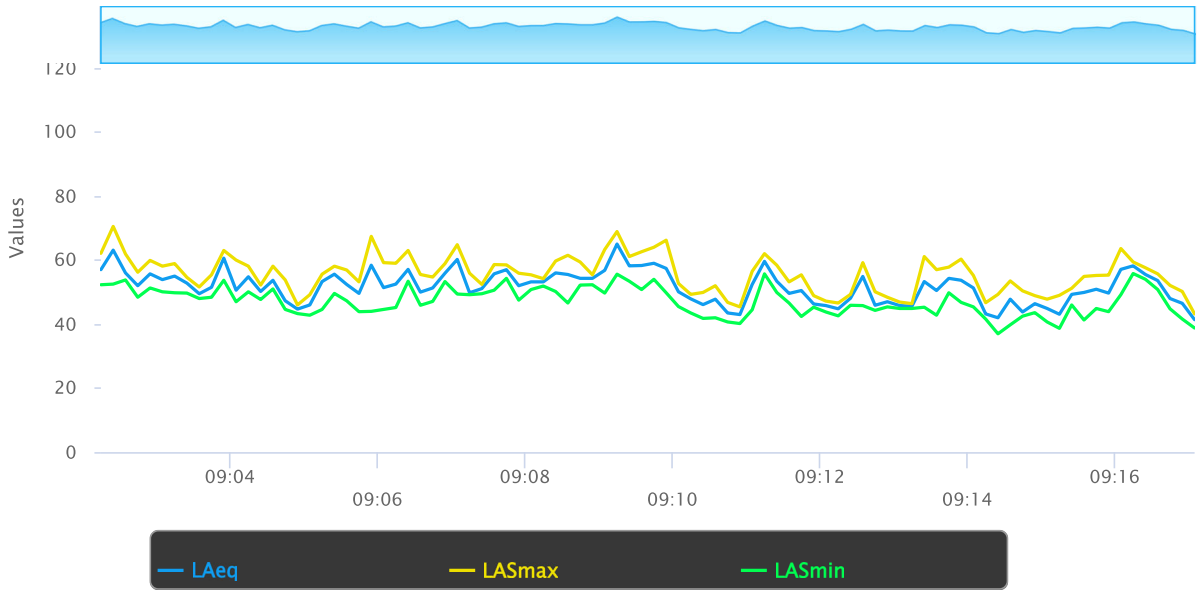
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 0.0	--- dB
LAS 0.0	--- dB
LAS 10.0	57.8 dB
LAS 33.3	53.4 dB
LAS 66.7	47.8 dB
LAS 90.0	43.8 dB

Time History


120
100
80
60
40
20
0
Values
09:04
09:06
09:08
09:10
09:12
09:14
09:16
LAeq
LASmax
LASmin

Estimated Project Site Vicinity CNEL (Location 1)		
Hour of Day	**dBA Leq**	**With CNEL Penalty**
12:00 AM	49.7	59.7
1:00 AM	49.7	59.7
2:00 AM	49.7	59.7
3:00 AM	49.7	59.7
4:00 AM	49.7	59.7
5:00 AM	49.7	59.7
6:00 AM	49.7	59.7
7:00 AM	48.8	48.8
8:00 AM	48.8	48.8
9:00 AM	48.8	48.8
10:00 AM	48.8	48.8
11:00 AM	48.8	48.8
12:00 PM	48.8	48.8
1:00 PM	48.8	48.8
2:00 PM	48.8	48.8
3:00 PM	48.8	48.8
4:00 PM	48.8	48.8
5:00 PM	48.8	48.8
6:00 PM	48.8	48.8
7:00 PM	51.1	56.1
8:00 PM	51.1	56.1
9:00 PM	51.1	56.1
10:00 PM	49.7	59.7
11:00 PM	49.7	59.7
	Calculated CNEL:	**56.4**

Daytime Hours:	7:00 AM - 7:00 PM
Evening Hours:	7:00 PM - 10:00 PM
Nighttime Hours:	10:00 PM - 7:00 AM

Note: Calculation based on representative Leq measurements collected for daytime, evening and nighttime periods at Location 1. See noise monitoring data.

Report date: 8/8/2024
Case Description: Heart of Norwalk Specific Plan EIR (Demolition)

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 50 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	50	0
Excavator	No	40		80.7	50	0
Excavator	No	40		80.7	50	0
Excavator	No	40		80.7	50	0
Dozer	No	40		81.7	50	0
Dozer	No	40		81.7	50	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Concrete Saw	89.6	82.6
Excavator	80.7	76.7
Excavator	80.7	76.7
Excavator	80.7	76.7
Dozer	81.7	77.7
Dozer	81.7	77.7
Total	89.6	86.4

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 100 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	100	0

Excavator	No	40	80.7	100	0
Excavator	No	40	80.7	100	0
Excavator	No	40	80.7	100	0
Dozer	No	40	81.7	100	0
Dozer	No	40	81.7	100	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Concrete Saw	83.6	76.6
Excavator	74.7	70.7
Excavator	74.7	70.7
Excavator	74.7	70.7
Dozer	75.6	71.7
Dozer	75.6	71.7
Total	83.6	80.4

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Reference at 500 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	500	0
Excavator	No	40		80.7	500	0
Excavator	No	40		80.7	500	0
Excavator	No	40		80.7	500	0
Dozer	No	40		81.7	500	0
Dozer	No	40		81.7	500	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Concrete Saw	69.6	62.6
Excavator	60.7	56.7
Excavator	60.7	56.7
Excavator	60.7	56.7
Dozer	61.7	57.7

Dozer		61.7	57.7
	Total	69.6	66.4

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 8/8/2024
Case Description: Heart of Norwalk Specific Plan EIR (Grading)

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Reference at 50 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	50	0
Backhoe	No	40		77.6	50	0
Scraper	No	40		83.6	50	0
Scraper	No	40		83.6	50	0
Dozer	No	40		81.7	50	0
Grader	No	40	85		50	0
Excavator	No	40		80.7	50	0
Excavator	No	40		80.7	50	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Backhoe	77.6	73.6
Backhoe	77.6	73.6
Scraper	83.6	79.6
Scraper	83.6	79.6
Dozer	81.7	77.7
Grader	85	81
Excavator	80.7	76.7
Excavator	80.7	76.7
Total	85	87.1

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Reference at 100 feet	Residential	60	60	60

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	100	0
Backhoe	No	40		77.6	100	0
Scraper	No	40		83.6	100	0
Scraper	No	40		83.6	100	0
Dozer	No	40		81.7	100	0
Grader	No	40	85		100	0
Excavator	No	40		80.7	100	0
Excavator	No	40		80.7	100	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Backhoe	71.5	67.6
Backhoe	71.5	67.6
Scraper	77.6	73.6
Scraper	77.6	73.6
Dozer	75.6	71.7
Grader	79	75
Excavator	74.7	70.7
Excavator	74.7	70.7
Total	79	81

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Reference at 500 feet	Residential	60	60	60

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	500	0
Backhoe	No	40		77.6	500	0
Scraper	No	40		83.6	500	0
Scraper	No	40		83.6	500	0
Dozer	No	40		81.7	500	0
Grader	No	40	85		500	0
Excavator	No	40		80.7	500	0
Excavator	No	40		80.7	500	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Backhoe	57.6	53.6
Backhoe	57.6	53.6
Scraper	63.6	59.6
Scraper	63.6	59.6
Dozer	61.7	57.7
Grader	65	61
Excavator	60.7	56.7
Excavator	60.7	56.7
Total	65	67.1

*Calculated Lmax is the Loudest value.

Report date: 8/8/2024
Case Description: Heart of Norwalk Specific Plan EIR (Site Preparation)

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 50 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	50	0
Backhoe	No	40		77.6	50	0
Backhoe	No	40		77.6	50	0
Backhoe	No	40		77.6	50	0
Dozer	No	40		81.7	50	0
Dozer	No	40		81.7	50	0
Dozer	No	40		81.7	50	0

Results

Calculated (dBA)

Equipment		*Lmax	Leq
Backhoe		77.6	73.6
Backhoe		77.6	73.6
Backhoe		77.6	73.6
Backhoe		77.6	73.6
Dozer		81.7	77.7
Dozer		81.7	77.7
Dozer		81.7	77.7
	Total	81.7	84.3

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 100 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)

Backhoe		No	40	77.6	100	0
Backhoe		No	40	77.6	100	0
Backhoe		No	40	77.6	100	0
Backhoe		No	40	77.6	100	0
Dozer		No	40	81.7	100	0
Dozer		No	40	81.7	100	0
Dozer		No	40	81.7	100	0

Results

Calculated (dBA)

Equipment		*Lmax	Leq
Backhoe		71.5	67.6
Backhoe		71.5	67.6
Backhoe		71.5	67.6
Backhoe		71.5	67.6
Dozer		75.6	71.7
Dozer		75.6	71.7
Dozer		75.6	71.7
	Total	75.6	78.3

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Reference at 500 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	500	0
Backhoe	No	40		77.6	500	0
Backhoe	No	40		77.6	500	0
Backhoe	No	40		77.6	500	0
Dozer	No	40		81.7	500	0
Dozer	No	40		81.7	500	0
Dozer	No	40		81.7	500	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Backhoe	57.6	53.6
Backhoe	57.6	53.6

Backhoe		57.6	53.6
Backhoe		57.6	53.6
Dozer		61.7	57.7
Dozer		61.7	57.7
Dozer		61.7	57.7
	Total	61.7	64.3

*Calculated Lmax is the Loudest value.

Report date: 8/8/2024
Case Description: Heart of Norwalk Specific Plan EIR (Building Construction)

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Reference at 50 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	50	0
Backhoe	No	40		77.6	50	0
Backhoe	No	40		77.6	50	0
Crane	No	16		80.6	50	0
Generator	No	50		80.6	50	0
Welder / Torch	No	40		74	50	0
All Other Equipment > 5 HP	No	50	85		50	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Backhoe	77.6	73.6
Backhoe	77.6	73.6
Backhoe	77.6	73.6
Crane	80.6	72.6
Generator	80.6	77.6
Welder / Torch	74	70
All Other Equipment > 5 HP	85	82
Total	85	84.9

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Reference at 100 feet	Residential	60	60	60

Description	Impact	Equipment Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding

Description	Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	100	0
Backhoe	No	40		77.6	100	0
Backhoe	No	40		77.6	100	0
Crane	No	16		80.6	100	0
Generator	No	50		80.6	100	0
Welder / Torch	No	40		74	100	0
All Other Equipment > 5 HP	No	50	85		100	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Backhoe	71.5	67.6
Backhoe	71.5	67.6
Backhoe	71.5	67.6
Crane	74.5	66.6
Generator	74.6	71.6
Welder / Torch	68	64
All Other Equipment > 5 HP	79	76
Total	79	78.9

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Reference at 500 feet	Residential	60	60	60

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	500	0
Backhoe	No	40		77.6	500	0
Backhoe	No	40		77.6	500	0
Crane	No	16		80.6	500	0
Generator	No	50		80.6	500	0
Welder / Torch	No	40		74	500	0
All Other Equipment > 5 HP	No	50	85		500	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq

Backhoe		57.6	53.6
Backhoe		57.6	53.6
Backhoe		57.6	53.6
Crane		60.6	52.6
Generator		60.6	57.6
Welder / Torch		54	50
All Other Equipment > 5 HP		65	62
	Total	65	64.9

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 8/8/2024
Case Description: Heart of Norwalk Specific Plan EIR (Paving)

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 50 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	50	0
Paver	No	50		77.2	50	0
Roller	No	20		80	50	0
Roller	No	20		80	50	0
All Other Equipment > 5 HP	No	50	85		50	0
All Other Equipment > 5 HP	No	50	85		50	0

Results

Calculated (dBA)

Equipment		*Lmax	Leq
Paver		77.2	74.2
Paver		77.2	74.2
Roller		80	73
Roller		80	73
All Other Equipment > 5 HP		85	82
All Other Equipment > 5 HP		85	82
	Total	85	86.1

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 100 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	100	0

Paver	No	50		77.2	100	0
Roller	No	20		80	100	0
Roller	No	20		80	100	0
All Other Equipment > 5 HP	No	50	85		100	0
All Other Equipment > 5 HP	No	50	85		100	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Paver	71.2	68.2
Paver	71.2	68.2
Roller	74	67
Roller	74	67
All Other Equipment > 5 HP	79	76
All Other Equipment > 5 HP	79	76
Total	79	80.1

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Reference at 500 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	500	0
Paver	No	50		77.2	500	0
Roller	No	20		80	500	0
Roller	No	20		80	500	0
All Other Equipment > 5 HP	No	50	85		500	0
All Other Equipment > 5 HP	No	50	85		500	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Paver	57.2	54.2
Paver	57.2	54.2
Roller	60	53
Roller	60	53
All Other Equipment > 5 HP	65	62

All Other Equipment > 5 HP		65	62
	Total	65	66.1

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 8/8/2024
Case Description: Heart of Norwalk Specific Plan EIR (Architectural Coating)

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 50 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	50	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Compressor (air)	77.7	73.7
Total	77.7	73.7

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 100 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	100	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Compressor (air)	71.6	67.7
Total	71.6	67.7

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Reference at 500 feet	Residential	60	60	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	500	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Compressor (air)	57.7	53.7
Total	57.7	53.7

*Calculated Lmax is the Loudest value.

TRAFFIC NOISE LEVELS

Project Name: Heart of Norwalk Specific Plan EIR

Background Information

Model Description:	FHWA Highway Noise Prediction Model with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s):	Existing, Future Without Project, Future With Project
Source of Traffic Volumes:	Traffic Impact Analysis, Iteris 2023.
Community Noise Descriptor:	X

Assumed 24-Hour Traffic Distribution:	(Ldn) Day	Evening	(CNEL) Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Name Roadway Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor[1]	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	24-Hour dB(A) CNEL
Existing Traffic Noise										
Firestone Blvd										
Between Imperial Hwy & Pioneer Blvd	5	20	18,735	35	50	0	0	1.8%	0.7%	68.8
Between Pioneer Blvd & San Antonio Dr	5	20	15,976	35	50	0	0	1.8%	0.7%	68.1
Between San Antonio Dr & East City Limit	5	20	10,501	35	50	0	0	1.8%	0.7%	66.3
Front St										
West of San Antonio Dr	2	0	809	30	50	0	0	1.8%	0.7%	52.5
East of San Antonio Dr	2	0	1,112	40	50	0	0	1.8%	0.7%	56.7
Foster Rd										
West of San Antonio Dr	4	10	8,089	40	50	0	0	1.8%	0.7%	65.8
East of San Antonio Dr	4	10	6,997	40	50	0	0	1.8%	0.7%	65.1
Rosecrans Ave										
West of Pioneer Blvd	6	10	31,078	40	50	0	0	1.8%	0.7%	72.6
East of Pioneer Blvd	6	10	16,672	40	50	0	0	1.8%	0.7%	69.9
Woods Ave										
North of Firestone Blvd	2	10	2,300	35	50	0	0	1.8%	0.7%	58.5
Pioneer Blvd										
North of Firestone Blvd	4	10	17,350	40	50	0	0	1.8%	0.7%	69.1
South of Firestone Blvd	4	10	19,280	40	50	0	0	1.8%	0.7%	69.5
North of Rosecrans Ave	4	10	14,141	40	50	0	0	1.8%	0.7%	68.2
South of Rosecrans Ave	4	10	16,305	40	50	0	0	1.8%	0.7%	68.8
San Antonio Dr										
North of I-5 SB ramps	4	10	26,918	40	50	0	0	1.8%	0.7%	71.0
Between I-5 SB ramps & Firestone Blvd	4	10	22,644	40	50	0	0	1.8%	0.7%	70.2
Between Firestone Blvd & Front St	4	10	20,700	40	50	0	0	1.8%	0.7%	69.9
Between Front St & Foster Dr	4	10	20,100	40	50	0	0	1.8%	0.7%	69.7
South of Foster Dr	4	10	12,132	40	50	0	0	1.8%	0.7%	67.5
North of Pioneer/Rosecrans	4	10	12,132	40	50	0	0	1.8%	0.7%	67.5
Funston Ave										
North of Firestone Blvd	2	0	700	40	50	0	0	1.8%	0.7%	54.7
South of Firestone Blvd	2	0	2,100	40	50	0	0	1.8%	0.7%	59.4
Existing Plus Project										
Firestone Blvd										
Between Imperial Hwy & Pioneer Blvd	5	20	22,660	35	50	0	0	1.8%	0.7%	69.6
Between Pioneer Blvd & San Antonio Dr	5	20	18,100	35	50	0	0	1.8%	0.7%	68.7
Between San Antonio Dr & East City Limit	5	20	11,780	35	50	0	0	1.8%	0.7%	66.8
Front St										
West of San Antonio Dr	2	0	810	30	50	0	0	1.8%	0.7%	52.6
East of San Antonio Dr	2	0	1,480	40	50	0	0	1.8%	0.7%	57.9
Foster Rd										
West of San Antonio Dr	4	10	8,090	40	50	0	0	1.8%	0.7%	65.8
East of San Antonio Dr	4	10	7,000	40	50	0	0	1.8%	0.7%	65.1
Rosecrans Ave										
West of Pioneer Blvd	6	10	32,420	40	50	0	0	1.8%	0.7%	72.8
East of Pioneer Blvd	6	10	17,420	40	50	0	0	1.8%	0.7%	70.1

Woods Ave										
North of Firestone Blvd	2	10	3,220	35	50	0	0	1.8%	0.7%	59.9
Pioneer Blvd										
North of Firestone Blvd	4	10	18,300	40	50	0	0	1.8%	0.7%	69.3
South of Firestone Blvd	4	10	21,120	40	50	0	0	1.8%	0.7%	69.9
North of Rosecrans Ave	4	10	16,300	40	50	0	0	1.8%	0.7%	68.8
South of Rosecrans Ave	4	10	17,460	40	50	0	0	1.8%	0.7%	69.1
San Antonio Dr										
North of I-5 SB ramps	4	10	27,820	40	50	0	0	1.8%	0.7%	71.1
Between I-5 SB ramps & Firestone Blvd	4	10	24,090	40	50	0	0	1.8%	0.7%	70.5
Between Firestone Blvd & Front St	4	10	21,350	40	50	0	0	1.8%	0.7%	70.0
Between Front St & Foster Dr	4	10	20,750	40	50	0	0	1.8%	0.7%	69.9
South of Foster Dr	1	0	12,780	40	50	0	0	1.8%	0.7%	67.2
North of Pioneer/Rosecrans	4	10	12,570	40	50	0	0	1.8%	0.7%	67.7
Funston Ave										
North of Firestone Blvd	2	0	700	40	50	0	0	1.8%	0.7%	54.7
South of Firestone Blvd	2	0	3,320	40	50	0	0	1.8%	0.7%	61.4
Future No Project										
Firestone Blvd										
Between Imperial Hwy & Pioneer Blvd	5	20	19,200	35	50	0	0	1.8%	0.7%	68.9
Between Pioneer Blvd & San Antonio Dr	5	20	16,300	35	50	0	0	1.8%	0.7%	68.2
Between San Antonio Dr & East City Limit	5	20	10,800	35	50	0	0	1.8%	0.7%	66.4
Front St										
West of San Antonio Dr	2	0	900	30	50	0	0	1.8%	0.7%	53.0
East of San Antonio Dr	2	0	1,200	40	50	0	0	1.8%	0.7%	57.0
Foster Rd										
West of San Antonio Dr	4	10	8,300	40	50	0	0	1.8%	0.7%	65.9
East of San Antonio Dr	4	10	7,200	40	50	0	0	1.8%	0.7%	65.3
Rosecrans Ave										
West of Pioneer Blvd	6	10	31,700	40	50	0	0	1.8%	0.7%	72.7
East of Pioneer Blvd	6	10	17,100	40	50	0	0	1.8%	0.7%	70.0
Woods Ave										
North of Firestone Blvd	2	10	2,400	35	50	0	0	1.8%	0.7%	58.6
Pioneer Blvd										
North of Firestone Blvd	4	10	17,700	40	50	0	0	1.8%	0.7%	69.2
South of Firestone Blvd	4	10	19,700	40	50	0	0	1.8%	0.7%	69.6
North of Rosecrans Ave	4	10	14,500	40	50	0	0	1.8%	0.7%	68.3
South of Rosecrans Ave	4	10	16,700	40	50	0	0	1.8%	0.7%	68.9
San Antonio Dr										
North of I-5 SB ramps	4	10	27,500	40	50	0	0	1.8%	0.7%	71.1
Between I-5 SB ramps & Firestone Blvd	4	10	23,100	40	50	0	0	1.8%	0.7%	70.3
Between Firestone Blvd & Front St	4	10	21,200	40	50	0	0	1.8%	0.7%	70.0
Between Front St & Foster Dr	4	10	20,660	40	50	0	0	1.8%	0.7%	69.8
South of Foster Dr	4	10	12,400	40	50	0	0	1.8%	0.7%	67.6
North of Pioneer/Rosecrans	4	10	12,400	40	50	0	0	1.8%	0.7%	67.6
Funston Ave										
North of Firestone Blvd	2	0	800	40	50	0	0	1.8%	0.7%	55.2
South of Firestone Blvd	2	0	2,200	40	50	0	0	1.8%	0.7%	59.6
Future With Project										
Firestone Blvd										
Between Imperial Hwy & Pioneer Blvd	5	20	23,130	35	50	0	0	1.8%	0.7%	69.7
Between Pioneer Blvd & San Antonio Dr	5	20	18,430	35	50	0	0	1.8%	0.7%	68.7
Between San Antonio Dr & East City Limit	5	20	12,080	35	50	0	0	1.8%	0.7%	66.9
Front St										
West of San Antonio Dr	2	0	900	30	50	0	0	1.8%	0.7%	53.0
East of San Antonio Dr	2	0	1,570	40	50	0	0	1.8%	0.7%	58.2
Foster Rd										
West of San Antonio Dr	4	10	8,300	40	50	0	0	1.8%	0.7%	65.9
East of San Antonio Dr	4	10	7,200	40	50	0	0	1.8%	0.7%	65.3
Rosecrans Ave										
West of Pioneer Blvd	6	10	33,040	40	50	0	0	1.8%	0.7%	72.8
East of Pioneer Blvd	6	10	17,840	40	50	0	0	1.8%	0.7%	70.2
Woods Ave										
North of Firestone Blvd	2	10	3,320	35	50	0	0	1.8%	0.7%	60.1

Pioneer Blvd										
North of Firestone Blvd	4	10	18,650	40	50	0	0	1.8%	0.7%	69.4
South of Firestone Blvd	4	10	21,540	40	50	0	0	1.8%	0.7%	70.0
North of Rosecrans Ave	4	10	16,660	40	50	0	0	1.8%	0.7%	68.9
South of Rosecrans Ave	4	10	17,850	40	50	0	0	1.8%	0.7%	69.2
San Antonio Dr										
North of I-5 SB ramps	4	10	28,400	40	50	0	0	1.8%	0.7%	71.2
Between I-5 SB ramps & Firestone Blvd	4	10	24,550	40	50	0	0	1.8%	0.7%	70.6
Between Firestone Blvd & Front St	4	10	21,850	40	50	0	0	1.8%	0.7%	70.1
Between Front St & Foster Dr	4	10	21,850	40	50	0	0	1.8%	0.7%	70.1
South of Foster Dr	1	0	13,050	40	50	0	0	1.8%	0.7%	67.3
North of Pioneer/Rosecrans	4	10	12,830	40	50	0	0	1.8%	0.7%	67.8
Funston Ave										
North of Firestone Blvd	2	0	800	40	50	0	0	1.8%	0.7%	55.2
South of Firestone Blvd	2	0	3,420	40	50	0	0	1.8%	0.7%	61.6

[1] Distance in feet from the roadway centerline to nearest receptor location.

APPENDIX 3.11

Traffic Impact Analysis Report

iteris®

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801 South Grand Avenue, Suite 750
Los Angeles, CA 90017

TECHNICAL MEMORANDUM

To: City of Norwalk	**From:** Iteris, Inc.
Date: July 26, 2024	
RE: Heart of Norwalk Specific Plan –CEQA Transportation Impact Analysis	

INTRODUCTION

This memorandum describes the California Environmental Quality Act (CEQA) transportation impact analysis for the Heart of Norwalk Specific Plan project. The evaluation is consistent with CEQA Guidelines effective December 28, 2018. The Specific Plan's impacts are evaluated per Appendix G Environmental Checklist Form of the current CEQA guidelines, which assesses projects by the four criteria listed below:

T-1 *Would the project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?*

T-2 *Would the project conflict with or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?*

T-3 *Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*

T-4 *Would the project result in inadequate emergency access?*

PROJECT SETTING

The Heart of Norwalk Specific Plan (Specific Plan) is a regulatory plan that implements the goals and objectives of the City's General Plan. The study area is approximately 615 acres and is located immediately southwest of the I-5 freeway. The major corridors that traverse the area include Firestone Boulevard and San Antonio Drive. These corridors are predominantly underutilized; and consist of a few markets, stores, restaurants and entertainment venues that cater to local residents within the Plan Area and the City.

ANALYSIS METHODOLOGY

For impact criteria T-1, T-3, and T-4, a qualitative assessment was prepared to determine if any potential significant impacts would occur as a result of the Project.

For impact criteria T-2, a technical analysis was performed using the Southern California Association of Governments (SCAG), a computerized travel demand model. Iteris utilized the SCAG model to generate the VMT statistics. The model consists of a 2021 base year scenario and 2040 future year scenario. The model consists of a 2021 base year scenario and 2040 future year scenario. The Specific Plan area

encompasses 5 traffic analysis zones (TAZ's) within the SCAG model (either fully or partially).

For the impact criteria T-2 analysis, all VMT for trips beginning or ending in a particular geography were accounted for, consistent with the Governor's Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA. While other methodologies measure only the amount of VMT traveling on streets within a particular geography, or only half the distance of trips from outside of the City (as in SB 375 Regional Plan Climate Target analysis), the Specific Plan analyzes the full extent of vehicle travel from the Project.

In order to determine the Specific Plan project's potential level of impact, a new scenario was prepared, incorporating the land use projections of the Specific Plan. For land use plans which include both residential and employment uses, the appropriate analysis metric is VMT per service population, where service population is defined as the number of residents plus the number of jobs. The land use plan includes additional residential and a reduction in non-residential land use, allocated to opportunity sites throughout the plan area. The total land use quantities are summarized as follows:

- A net increase of 3,084 new residential units
- A net decrease of 347,068 square feet of non-residential (commercial, institutional, industrial) uses

IMPACT ANALYSIS

This section presents the CEQA impact evaluation for each of the four criteria.

T-1 Impact Evaluation

Threshold: *Would the project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?*

The Specific Plan project's planned transportation networks provide consistency related to regional active transportation plans, transit plans, and other mobility infrastructure; specifically the Southern California Association of Governments (SCAG) Regional Transportation Plan/Sustainable Communities Strategy and Ventura County Transportation Commission Comprehensive Transportation Plan.

SCAG Regional Transportation Plan/Sustainable Communities Strategy

Norwalk is a member of the SCAG Regional Council, the decision-making body of the SCAG Joint Powers Authority under California state law, established as an association of local governments and agencies that voluntarily convene as a forum to address regional issues. Under federal law, SCAG is designated as a Metropolitan Planning Organization (MPO) and under state law as a Regional Transportation Planning Agency and a Council of Governments. The SCAG **Regional Transportation Plan/Sustainable Communities Strategy** (RTP/SCS), Connect SoCal is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. The Connect SoCal RTP/SCS is a planning document for the region, allowing project sponsors to qualify for federal funding. In addition, Connect SoCal 2024 will

identify a combination of transportation and land use strategies that help the region achieve state greenhouse gas emission reduction goals and federal Clean Air Act requirements, preserve open space areas, improve public health and roadway safety, and support our vital goods movement industry.

The RTP/SCS is updated every four years and it is anticipated that the City will work with SCAG to update the RTP/SCS to be consistent with the Specific Plan. The Specific Plan includes strategies for mixed-use development, which allows multiple land uses to work together, to reduce vehicle trip lengths. The California Air Resources Board's (CARB) 2016 Mobile Source Strategy recognizes that coordinated regional planning can improve California's land use patterns and transportation policy in a way that reduces transportation related emissions by reducing growth in VMT.

The Heart of Norwalk Specific Plan is consistent with programs, plans, ordinances and policies addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities, making the impact **less-than-significant**.

Consistency with Goals and Policies

The Specific Plan is consistent with the following relevant goals and policies within the City's General Plan Circulation Element, as they relate to programs, plans, ordinances, and policies affecting the circulation system:

- **Goal 1:** *An adequate transportation/circulation system that supports regional and local land uses at adopted level of service (LOS) standards and complies with requirements of the County Transportation Management Program (CMP).*
    - **Policy 1.1**. Develop and maintain a road system that is based upon and is in balance with the Land Use Element of the General Plan.
    - **Policy 1.11.** Coordinate roadway improvements with applicable county, state, and federal transportation plans and proposals.

- **Goal 5:** *An efficient bicycle and pedestrian circulation system that encourages these alternative forms of transportation.*
    - **Policy 5.2.** Support and coordinate the development and maintenance of City bikeways in conjunction with the City's Bikeway Plan, the County of Los Angeles Master Plan of Bikeways and the bikeway plans of neighboring jurisdictions.

T-2 Impact Evaluation

Threshold: *Would the project conflict with or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?*

Under criteria T-2, the proposed Specific Plan's effects on Vehicle Miles Traveled (VMT) are evaluated, as described in the following sub-sections.

VMT Impact Analysis

The City of Norwalk currently defers to using the CEQA thresholds applied by the County of Los Angeles

to evaluate the VMT impacts of individual development projects or land use plans. The thresholds of significance are as follows:

- A project will be considered to have an impact if it generates VMT per capita, per employee, or per service population in excess of 16.8% less than the existing VMT per capita, per employee, or per service population for the County of Los Angeles.

This threshold was applied to evaluate the potential transportation impacts of the Specific Plan. As mentioned, since the project includes residential and non-residential land use, VMT per service population (i.e., residents plus employees) was used as the analysis metric.

Applying the described land use projections, countywide VMT (i.e., regional average) and Specific Plan area VMT outputs were developed using the SCAG model. In addition, consistent with LA County guidelines, VMT reduction strategies included as project features were considered in the VMT calculations of the existing plus project scenario. These features include new bicycle lanes, affordable housing, increased land use density, and reduced residential parking requirements. **Table 1** summarizes the daily countywide VMT per service population for the existing scenario and Specific Plan area daily VMT per service population for the existing plus project scenario. Detailed VMT calculations are provided in **Appendix A**.

Table 1: Specific Plan VMT Summary (versus regional average)

Scenario (Area)	Total Home-based Daily VMT	Total Work-based Daily VMT	Total Daily VMT	Service Population*	VMT / Service Population
Existing (County of Los Angeles)	154,649,967	103,846,479	258,496,446	15,061,038	17.2
Existing Plus Project (SP Area)	319,298	161,796	481,094	35,072	13.7

* Service Population equals the total of residents and employees

As shown in **Table 1**, the existing plus project VMT per service population for the Specific Plan area is forecast to be 13.7, while the existing countywide VMT per service population is currently 17.2. As such, 16.8% below existing countywide VMT per service population is 14.3. Therefore, the existing plus project Specific Plan area VMT per service population (13.7) is not forecast to exceed the described CEQA threshold. Thus, this impact is considered **less than significant**.

In addition, supplemental outputs from the future year 2040 scenario are presented for informational purposes only (i.e., not used for CEQA transportation impact assessment). **Table 2** summarizes the daily countywide VMT per service population for the future year 2040 scenario (without project) and Specific Plan area daily VMT per service population for the future year 2040 with project scenario. Detailed VMT calculations are provided in **Appendix A**.

Table 2: Future Year 2040 Specific Plan VMT Summary (versus regional average)

Scenario (Area)	Total Home-based Daily VMT	Total Work-based Daily VMT	Total Daily VMT	Service Population*	VMT / Service Population
Future Year 2040 (County of Los Angeles)	156,562,282	102,036,221	258,598,503	16,736,544	15.5
Future Year 2040 Plus Project (SP Area)	283,576	166,386	449,962	37,086	12.1

* Service Population equals the total of residents and employees

As mentioned, the future year 2040 VMT output data is provided for informational purposes only. Similar to the existing plus project scenario, the 2040 Specific Plan area VMT per service population (12.1) is forecast to be more than 16.8% below the regional average VMT per service population.

Consistency with Goals and Policies

The Specific Plan is consistent with the following relevant goals and policies within the City's General Plan Circulation Element, that would have an effect on reducing VMT:

- **Goal 3:** *A circulation system that maximizes efficiency through the use of transportation system management and demand management strategies.*
    - **Policy 3.1.** Encourage new development which facilitates transit services, provides for non-automotive circulation and minimizes vehicle miles traveled.

- **Goal 5:** *An efficient bicycle and pedestrian circulation system that encourages these alternative forms of transportation.*
    - **Policy 5.2.** Support and coordinate the development and maintenance of City bikeways in conjunction with the City's Bikeway Plan, the County of Los Angeles Master Plan of Bikeways and the bikeway plans of neighboring jurisdictions.

- **Goal 6:** *Ensure that development of Class II bike lanes provides for the safe and efficient travel of both bicycles and vehicular traffic.*
    - **Policy 6.1.** Develop bicycle lanes to a minimum width of five feet from the longitudinal separation line which occurs between the gutter and roadway for areas which prohibit on-street parking, where possible.

In addition, the Specific Plan is consistent with the following relevant goals within the City's Bicycle Master Plan, that would have an effect on reducing VMT:

- **Goal 1: Accessibility:** *Provide safe, direct, and comfortable bike routes*

- **Goal 2 Safety:** *Improve safety for bicyclists*

- **Goal 3 Encouragement:** *Promote biking and encourage people to bike in Norwalk, improving*

community health and identity

T-3 Impact Evaluation

Threshold: *Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*

Any proposed roadway modifications included in the Specific Plan will be designed to City and State engineering design standards to meet sight distance requirements, including visibility of pedestrians and bicyclists. The Specific Plan does not propose any incompatible uses that would increase hazards. As a result, the Specific Plan will have a beneficial impact on geometric design features and incompatible uses.

As such, the Specific Plan would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment. Thus, this impact is considered **less than significant**.

T-4 Impact Evaluation

Threshold: *Would the project result in inadequate emergency access?*

The Specific Plan does not include elements that would impede emergency vehicle access. Any public roadways would be designed to conform to County Fire Department standards for access, as would buildings included within new developments.

Thus, this impact is considered **less than significant**.

APPENDIX A – VMT Calculations

Heart of Norwalk - Existing and Future Year 2040 VMT Outputs

Model Scenario	Population		Employees		Total Home-based VMT		Total Work-based VMT		Total Other VMT		VMT/Capita		VMT/Employee		P+E VMT/Service Population (No Other VMT)	
	Project TAZ's	LA County	Project TAZ's	LA County	Project TAZ's	LA County	Project TAZ's	LA County	Project TAZ's	LA County	Project TAZ's	LA County	Project TAZ's	LA County	Project TAZ's	LA County
Existing	20,742	10,375,874	8,325	4,685,164	295,897	154,649,967	177,039	103,846,479	357,615	156,039,047	14.3	14.9	21.3	22.2	16.3	**17.2**
Existing Plus Project	27,535	10,382,667	7,537	4,684,901	319,298	154,685,242	161,796	103,840,929	332,114	156,039,047	11.6	14.9	21.5	22.2	**13.7**	17.2
2040 No Project	21,432	11,510,902	9,649	5,221,748	275,565	156,562,282	182,879	102,036,221	348,175	151,469,388	12.9	13.6	19.0	19.5	14.7	**15.5**
2040 With Project	28,225	11,517,695	8,861	5,221,485	283,576	156,511,530	166,386	102,035,811	322,674	151,469,388	10.0	13.6	18.8	19.5	**12.1**	15.4