Appendix L
Project Alternatives Traffic, Air Quality and Greenhouse Gas Modeling Worksheets

- CalEEMod Assumptions and Data Modifications Made to Align the Mobile Source Emissions with LADOT's VMT Calculator Tool

Mixed-Use Office Alternative

- Weekday Project Trip Generation
- Weekend Project Trip Generation
- City of Los Angeles LADOT VMT Calculator
- CalEEMod Air Quality Worksheets - Mixed-Use Office Alternative
    - Annual Emissions
    - Winter Emissions
    - Summer Emissions

Reduced Density Alternative

- Weekday Project Trip Generation
- Weekend Project Trip Generation
- City of Los Angeles LADOT VMT Calculator
- CalEEMod Air Quality Worksheets - Mixed-Use Office Alternative
    - Annual Emissions
    - Winter Emissions
    - Summer Emissions

Retail/Office Alternative

- Weekday Project Trip Generation
- Weekend Project Trip Generation
- City of Los Angeles LADOT VMT Calculator
- CalEEMod Air Quality Worksheets - Mixed-Use Office Alternative
    - Annual Emissions
    - Winter Emissions
    - Summer Emissions

Project: 3rd and Fairfax Mixed-Use Project - Alternatives Analyiss
Date: February 27, 2020

CalEEMod Assumptions and Data Modifications Made to Align the Mobile Source Emissions with LADOT's VMT Calculator Tool

The following information outlines the changes made to the input data for the CalEEMod program to better align with LADOT's VMT Calculator. The VMT calculations provided in the Supplemental VMT Traffic Analysis (provided in Appendix H.1 to the Draft EIR) is based on City and Community specific traffic model data and is believed to provide more accurate analysis than the default data provided in CalEEMod. However, because the LADOT's VMT Calculator is not entirely aligned with the input data and program methodology applied in CalEEmod, several adjustments to the model were required. The follwoing outlines the steps that were taken to calculate the Project's mobile source emissions in CalEEMod using the data that is provided in the VMT-based traffic model.

1. The VMT Calculator is based on different trip generation rates and travel patterns than the CalEEMod program. Therefore, the average daily trips is consolodated for the entire project, as opposed to each land use type.

2. A user defined land use ("User Defined Commercial") was created to calculate Project Trips and VMTs. This land use category aggergates the trips and trip lengths for the project as a whole.

3. All trip data and trip type data was deleted from the individual land uses as the user defined land use category aggregares all of the trip data for the project as a whole.

4. The average trip length was derived by dividing the total VMTs estimated in the LADOT VMT Calculator tool by the average daily trips.

5. The LADOT VMT Calculator tool factors in weekday trips only. Therefore, estimates for Saturday and Sunday trips were provided based on the ratio of Weekday to Weekend trips using CalEEMod default ITE trip rate data.

6. The LADOT VMT Calculator tool does not factor in pass-by trips. Therefore, a second user defined land use ("User Defined Parking") was applied to capture VMTs from pass-by trips. Pass-by trips were estimated based on the ITE Trip Generation rates provided by LLG Traffic Enginners.

NO PROJECT - EXISTING CONDITIONS		WEEKDAY		SATURDAY		SUNDAY	
			%		Trips	%	Trips
Daily Trips	VMT Calculator Tool	4,696	121%	5,669		64%	2,996
	ITE Trip Generation	5,232		6,316			3,338
	VMT	32,405		39,119			20,674
	Ave. Trip Length	6.90		6.90			6.90
	Pass-By Trips	1,511		1,832			928

MIXED-USE OFFICE ALTERNATIVE		WEEKDAY		SATURDAY		SUNDAY	
			%		Trips	%	Trips
Daily Trips	VMT Calculator Tool	2,508	88%	2,203		73%	1,836
	ITE Trip Generation	3,031		2,662			2,219
	VMT	16,186		14,215			11,850
	Ave. Trip Length	6.45		6.45			6.45
	Pass-By Trips	323		377			273

REDUCED DENSITY ALTERNATIVE		WEEKDAY		SATURDAY		SUNDAY	
			%		Trips	%	Trips
Daily Trips	VMT Calculator Tool	1,402	92%	1,286		79%	1,112
	ITE Trip Generation	1,963		1,801			1,557
	VMT	9,040		8,294			7,170
	Ave. Trip Length	6.45		6.45			6.45
	Pass-By Trips[a]	323		377			273

RETAIL/OFFICE ALTERNATIVE		WEEKDAY		SATURDAY		SUNDAY	
			%		Trips	%	Trips
Daily Trips	VMT Calculator Tool	3,579	50%	1,782		33%	1,174
	ITE Trip Generation	4,251		2,116			1,394
	VMT	26,175		13,029			8,583
	Ave. Trip Length	7.31		7.31			7.31
	Pass-By Trips[a]	454		537			346

[a] The estimate for pass-by trips was assumed to be the same as indicated for the Proposed Project as these trips would not be affected by the Project's trip-reducing mitigation measures.

Appendix L
Project Alternatives Traffic, Air Quality and Greenhouse Gas Modeling Worksheets

Mixed-Use Office Alternative

- Weekday Project Trip Generation
- Weekend Project Trip Generation
- City of Los Angeles LADOT VMT Calculator
- CalEEMod Air Quality Worksheets - Mixed-Use Office Alternative
    - Annual Emissions
    - Winter Emissions
    - Summer Emissions

Table 7-1
PROJECT TRIP GENERATION [1]
ALTERNATIVE 2 - MIXED-USE OFFICE ALTERNATIVE

14-Aug-19

LAND USE	SIZE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2] IN	AM PEAK HOUR VOLUMES [2] OUT	AM PEAK HOUR VOLUMES [2] TOTAL	PM PEAK HOUR VOLUMES [2] IN	PM PEAK HOUR VOLUMES [2] OUT	PM PEAK HOUR VOLUMES [2] TOTAL
Proposed Project								
Apartments [3]	331 DU	1,801	31	88	119	89	57	146
Commercial Retail [4]	13,412 GLSF	506	8	5	13	24	27	51
Restaurant [5]	7,500 GSF	841	41	34	75	45	28	73
Office [6]	63,082 GSF	614	63	10	73	12	61	73
Subtotal		3,762	143	137	280	170	173	343
Transit Trips [7]								
Apartments (15%)		(270)	(5)	(13)	(18)	(13)	(9)	(22)
Commercial Retail (15%)		(76)	(1)	(1)	(2)	(4)	(4)	(8)
Restaurant (15%)		(126)	(6)	(5)	(11)	(7)	(4)	(11)
Office (15%)		(92)	(9)	(2)	(11)	(2)	(9)	(11)
Subtotal		(564)	(21)	(21)	(42)	(26)	(26)	(52)
Internal Capture [8]								
Commercial Retail (10%)		(43)	(1)	0	(1)	(2)	(2)	(4)
Restaurant (10%)		(72)	(4)	(3)	(7)	(4)	(2)	(6)
Office (10%)		(52)	(5)	(1)	(6)	(1)	(5)	(6)
Subtotal		(167)	(10)	(4)	(14)	(7)	(9)	(16)
Subtotal Project Driveway Trips		**3,031**	**112**	**112**	**224**	**137**	**138**	**275**
Existing Site								
Commercial Retail [4]	(144,963) GLSF	(5,472)	(84)	(52)	(136)	(265)	(287)	(552)
Restaurant [5]	(6,085) GSF	(683)	(33)	(27)	(60)	(37)	(22)	(59)
Subtotal		(6,155)	(117)	(79)	(196)	(302)	(309)	(611)
Existing Transit Trips [6]								
Commercial Retail (15%)		821	13	8	21	40	43	83
Restaurant (15%)		102	5	4	9	6	3	9
Subtotal		923	18	12	30	46	46	92
Subtotal Existing Driveway Trips		**(5,232)**	**(99)**	**(67)**	**(166)**	**(256)**	**(263)**	**(519)**
NET INCREASE DRIVEWAY TRIPS		**(2,201)**	**13**	**45**	**58**	**(119)**	**(125)**	**(244)**
Proposed Pass-By Trips [9]								
Commercial Retail (50%)		(194)	(3)	(2)	(5)	(9)	(11)	(20)
Restaurant (20%)		(129)	(6)	(5)	(11)	(7)	(4)	(11)
Subtotal		(323)	(9)	(7)	(16)	(16)	(15)	(31)
Existing Pass-By Trips [9]								
Commercial Retail (30%)		1,395	21	13	34	68	73	141
Restaurant (20%)		116	6	5	11	6	4	10
Subtotal		1,511	27	18	45	74	77	151
NET INCREASE "OFF-SITE" TRIPS		**(1,013)**	**31**	**56**	**87**	**(61)**	**(63)**	**(124)**

[1] Source: ITE "Trip Generation Manual", 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 221 (Multifamily Housing [Mid-Rise]) trip generation average rates.
- Daily Trip Rate: 5.44 trips/dwelling units; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.36 trips/dwelling unit; 26% inbound/74% outbound
- PM Peak Hour Trip Rate: 0.44 trips/dwelling unit; 61% inbound/39% outbound
[4] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
- Daily Trip Rate: 37.75 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.94 trips/1,000 SF of leasable floor area; 62% inbound/38% outbound
- PM Peak Hour Trip Rate: 3.81 trips/1,000 SF of leasable floor area; 48% inbound/52% outbound
[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- Daily Trip Rate: 112.18 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 9.94 trips/1,000 SF of floor area; 55% inbound/45% outbound
- PM Peak Hour Trip Rate: 9.77 trips/1,000 SF of floor area; 62% inbound/38% outbound
[6] ITE Land Use Code 710 (General Office Building) trip generation average rates.
- Daily Trip Rate: 9.74 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 1.16 trips/1,000 SF of floor area; 86% inbound/14% outbound
- PM Peak Hour Trip Rate: 1.15 trips/1,000 SF of floor area; 16% inbound/84% outbound
[7] The Project site is located within 1/4 mile of a Metro Rapid bus stop. The trip reduction for transit trips has been applied to the residential and commercial components of the project based on the "LADOT Transportation Impact Study Guidelines," December 2016 for developments within a 1/4 mile walking distance of a transit station or a RapidBus stop.
[8] The internal capture reduction for the commercial, restaurant, and office uses are based on the synergy between all the land uses provided within the project site.
[9] Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the site. The trip reduction for pass-by trips has been applied to the commercial components of the project based on the LADOT Transportation Impact Study Guidelines," December 2016 for Shopping Center less than 50,000 sf, High-Turnover Restaurant, and Shopping Center 100,000 to less than 300,000 sf.

Table 7-1
WEEKEND PROJECT TRIP GENERATION [1]
ALTERNATIVE 2 - MIXED-USE OFFICE ALTERNATIVE

28-Feb-20

LAND USE	SIZE	SAT DAILY TRIP ENDS [2] VOLUMES	SAT PEAK HOUR VOLUMES [2] IN	SAT PEAK HOUR VOLUMES [2] OUT	SAT PEAK HOUR VOLUMES [2] TOTAL	SUN DAILY TRIP ENDS [2] VOLUMES	SUN PEAK HOUR VOLUMES [2] IN	SUN PEAK HOUR VOLUMES [2] OUT	SUN PEAK HOUR VOLUMES [2] TOTAL
Proposed Project									
Apartments [3]	331 DU	1,625	72	74	146	1,354	80	49	129
Commercial Retail [4]	13,412 GLSF	619	31	29	60	283	18	19	37
Restaurant [5]	7,500 GSF	918	43	41	84	1,070	107	87	194
Office [6]	63,082 GSF	139	18	15	33	44	8	5	13
Subtotal		3,301	164	159	323	2,751	213	160	373
Transit Trips [7]									
Apartments (15%)		(244)	(11)	(11)	(22)	(203)	(12)	(7)	(19)
Commercial Retail (15%)		(93)	(5)	(4)	(9)	(42)	(3)	(3)	(6)
Restaurant (15%)		(138)	(6)	(6)	(12)	(161)	(16)	(13)	(29)
Office (15%)		(21)	(3)	(2)	(5)	(7)	(1)	(1)	(2)
Subtotal		(496)	(25)	(23)	(48)	(413)	(32)	(24)	(56)
Internal Capture [8]									
Commercial Retail (10%)		(53)	(3)	(3)	(6)	(24)	(2)	(2)	(4)
Restaurant (10%)		(78)	(4)	(4)	(8)	(91)	(9)	(7)	(16)
Office (10%)		(12)	(2)	(1)	(3)	(4)	(1)	0	(1)
Subtotal		(143)	(9)	(8)	(17)	(119)	(12)	(9)	(21)
Subtotal Project Driveway Trips		**2,662**	**130**	**128**	**258**	**2,219**	**169**	**127**	**296**
Existing Site									
Commercial Retail [4]	(144,963) GLSF	(6,686)	(339)	(313)	(652)	(3,059)	(198)	(206)	(404)
Restaurant [5]	(6,085) GSF	(745)	(35)	(33)	(68)	(868)	(86)	(71)	(157)
Subtotal		(7,431)	(374)	(346)	(720)	(3,927)	(284)	(277)	(561)
Existing Transit Trips [6]									
Commercial Retail (15%)		1,003	51	47	98	459	30	31	61
Restaurant (15%)		112	5	5	10	130	13	11	24
Subtotal		1,115	56	52	108	589	43	42	85
Subtotal Existing Driveway Trips		**(6,316)**	**(318)**	**(294)**	**(612)**	**(3,338)**	**(241)**	**(235)**	**(476)**
NET INCREASE DRIVEWAY TRIPS		**(3,654)**	**(188)**	**(166)**	**(354)**	**(1,119)**	**(72)**	**(108)**	**(180)**
Proposed Pass-By Trips [9]									
Commercial Retail (50%)		(237)	(12)	(11)	(23)	(109)	(7)	(7)	(14)
Restaurant (20%)		(140)	(7)	(6)	(13)	(164)	(16)	(13)	(29)
Subtotal		(377)	(19)	(17)	(36)	(273)	(23)	(20)	(43)
Existing Pass-By Trips [9]									
Commercial Retail (30%)		1,705	86	80	166	780	50	53	103
Restaurant (20%)		127	6	6	12	148	15	12	27
Subtotal		1,832	92	86	178	928	65	65	130
NET INCREASE "OFF-SITE" TRIPS		**(2,199)**	**(115)**	**(97)**	**(212)**	**(464)**	**(30)**	**(63)**	**(93)**

[1] Source: ITE "Trip Generation Manual", 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 221 (Multifamily Housing [Mid-Rise]) trip generation average rates.
- Saturday Daily Trip Rate: 4.91 trips/dwelling units; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 0.44 trips/dwelling unit; 49% inbound/51% outbound
- Sunday Daily Trip Rate: 4.09 trips/dwelling units; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 0.39 trips/dwelling unit; 62% inbound/38% outbound
[4] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
- Saturday Daily Trip Rate: 46.12 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 4.50 trips/1,000 SF of leasable floor area; 52% inbound/48% outbound
- Sunday Daily Trip Rate: 21.10 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 2.79 trips/1,000 SF of leasable floor area; 49% inbound/51% outbound
[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- Saturday Daily Trip Rate: 122.40 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 11.19 trips/1,000 SF of floor area; 51% inbound/49% outbound
- Sunday Daily Trip Rate: 142.64 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 25.83 trips/1,000 SF of floor area; 55% inbound/45% outbound
[6] ITE Land Use Code 710 (General Office Building) trip generation average rates.
- Saturday Daily Trip Rate: 2.21 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 0.53 trips/1,000 SF of floor area; 54% inbound/46% outbound
- Sunday Daily Trip Rate: 0.70 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 0.21 trips/1,000 SF of floor area; assume 58% inbound/42% outbound
[7] The Project site is located within 1/4 mile of a Metro Rapid bus stop. The trip reduction for transit trips has been applied to the residential and commercial components of the project based on the "LADOT Transportation Impact Study Guidelines," December 2016 for developments within a 1/4 mile walking distance of a transit station or a RapidBus stop.
[8] The internal capture reduction for the commercial, restaurant, and supermarket uses are based on the synergy between all the land uses provided within the project site.
[9] Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the site. The trip reduction for pass-by trips has been applied to the commercial component of the project based on the LADOT Transportation Impact Study Guidelines," December 2016 for Shopping Center less than 50,000 sf, High-Turnover Restaurant, and Shopping Center 100,000 to less than 300,000 sf.

CITY OF LOS ANGELES VMT CALCULATOR Version 1.2

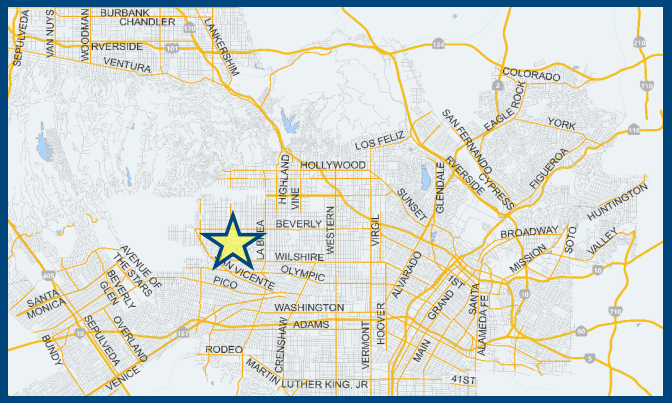
Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: 6300 W. 3rd Street Mixed-Use Project

Scenario: Alternative 2 - Mixed-Use Office Alternative

Address: 6300 W 3RD ST, 90036



If the project is replacing an existing number of residential units with a smaller number of residential units, is the proposed project located within one-half mile of a fixed-rail or fixed-guideway transit station?

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	6.085	ksf
Retail | General Retail	144.963	ksf
Retail | High-Turnover Sit-Down Restaurant	6.085	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Office | General Office	63.082	ksf
Housing | Multi-Family	331	DU
Retail | General Retail	13.412	ksf
Retail | High-Turnover Sit-Down Restaurant	7.5	ksf
Office | General Office	63.082	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
4,696 Daily Vehicle Trips	2,508 Daily Vehicle Trips
32,405 Daily VMT	16,186 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	-2,188 Net Daily Trips
The net increase in daily VMT ≤ 0	-16,219 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	20.912 ksf

The proposed project is not required to perform VMT analysis.

Measuring the Miles

2/5/2020

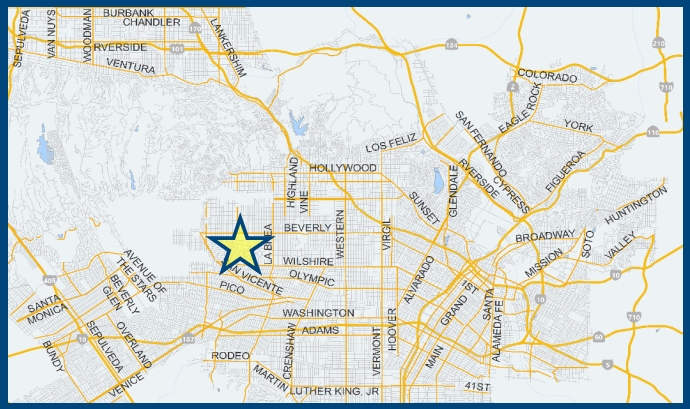
CITY OF LOS ANGELES VMT CALCULATOR Version 1.2

Project Information

Project: 6300 W. 3rd Street Mixed-Use Project

Scenario: Alternative 2 - Mixed-Use Office Alternative

Address: 6300 W 3RD ST, 90036



Proposed Project Land Use Type	Value	Unit
Housing | Multi-Family	331	DU
Retail | General Retail	13.412	ksf
Retail | High-Turnover Sit-Down Restaurant	7.5	ksf
Office | General Office	63.082	ksf

TDM Strategies

Select each section to show individual strategies

Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

A Parking

Reduce Parking Supply ☐ Proposed Prj ☐ Mitigation
- 100 city code parking provision for the project site
- 74 actual parking provision for the project site

Unbundle Parking ☐ Proposed Prj ☐ Mitigation
- 150 monthly parking cost (dollar) for the project site

Parking Cash-Out ☐ Proposed Prj ☐ Mitigation
- 50 percent of employees eligible

Price Workplace Parking ☐ Proposed Prj ☐ Mitigation
- 6.00 daily parking charge (dollar)
- 25 percent of employees subject to priced parking

Residential Area Parking Permits ☐ Proposed Prj ☐ Mitigation
- 200 cost (dollar) of annual permit

B Transit

C Education & Encouragement

D Commute Trip Reductions

E Shared Mobility

F Bicycle Infrastructure

G Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
2,508 Daily Vehicle Trips	**2,508** Daily Vehicle Trips
16,186 Daily VMT	**16,186** Daily VMT
N/A Household VMT per Capita	**N/A** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: N/A Threshold = 6.0 15% Below APC	**Household: N/A** Threshold = 6.0 15% Below APC
Work: N/A Threshold = 7.6 15% Below APC	**Work: N/A** Threshold = 7.6 15% Below APC

Measuring the Miles

2/5/2020

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 2 - Mixed-Use Office Alterna
Project Address: 6300 W 3RD ST, 90036

Version 1.2

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	331	DU
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	*Family*	*0*	*DU*
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	General Retail	13.412	ksf
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	7.500	ksf
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	General Office	63.082	ksf
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 2 - Mixed-Use Office Alterna
Project Address: 6300 W 3RD ST, 90036

Version 1.2

Analysis Results			
Total Employees: 309 Total Population: 746			
Proposed Project		***With Mitigation***	
2,508	**Daily Vehicle Trips**	**2,508**	**Daily Vehicle Trips**
16,186	**Daily VMT**	**16,186**	**Daily VMT**
N/A	**Household VMT per Capita**	**N/A**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average Household = 6.0 Work = 7.6			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 6.0	N/A	Household > 6.0	N/A
Work > 7.6	N/A	Work > 7.6	N/A

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	*Reduce parking supply*	*City code parking provision (spaces)*	*0*	*0*
		Actual parking provision (spaces)	*0*	*0*
	Unbundle parking	*Monthly cost for parking ($)*	*$0*	*$0*
	Parking cash-out	*Employees eligible (%)*	*0%*	*0%*
	Price workplace parking	*Daily parking charge ($)*	*$0.00*	*$0.00*
		Employees subject to priced parking (%)	*0%*	*0%*
	Residential area parking permits	*Cost of annual permit ($)*	*$0*	*$0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	*Reduce transit headways*	*Reduction in headways (increase in frequency) (%)*	*0%*	*0%*
		Existing transit mode share (as a percent of total daily trips) (%)	*0%*	*0%*
		Lines within project site improved (<50%, >=50%)	*0*	*0*
	Implement neighborhood shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees and residents eligible (%)	*0%*	*0%*
	Transit subsidies	*Employees and residents eligible (%)*	*0%*	*0%*
		Amount of transit subsidy per passenger (daily equivalent) ($)	*$0.00*	*$0.00*
Education & Encouragement	*Voluntary travel behavior change program*	*Employees and residents participating (%)*	*0%*	*0%*
	Promotions and marketing	*Employees and residents participating (%)*	*0%*	*0%*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	*Required commute trip reduction program*	*Employees participating (%)*	*0%*	*0%*
	Alternative Work Schedules and Telecommute	*Employees participating (%)*	*0%*	*0%*
		Type of program	*0*	*0*
	Employer sponsored vanpool or shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees eligible (%)	*0%*	*0%*
		Employer size (small, medium, large)	*0*	*0*
	Ride-share program	*Employees eligible (%)*	*0%*	*0%*
Shared Mobility	*Car share*	*Car share project setting (Urban, Suburban, All Other)*	*0*	*0*
	Bike share	*Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)*	*0*	*0*
	School carpool program	*Level of implementation (Low, Medium, High)*	*0*	*0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/Improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	*Meets City Bike Parking Code (Yes/No)*	*0*	*0*
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 2 - Mixed-Use Office Alternative
Project Address: 6300 W 3RD ST, 90036

Version 1.2

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Parking cash-out	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Price workplace parking	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Residential area parking permits	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	
Transit	Reduce transit headways	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Transit subsidies	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Education & Encouragement	Voluntary travel behavior change program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Commute Trip Reductions	Required commute trip reduction program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Employer sponsored vanpool or shuttle	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Ride-share program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Shared Mobility	Car-share	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	
	School carpool program	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ Improve on-street bicycle facility	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
	Include secure bike parking and showers	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
Neighborhood Enhancement	Traffic calming improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*
MAX. TDM EFFECT	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

PLACE TYPE MAX:	*urban*	*75%*
	compact infill	*40%*
	suburban center	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,...). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 2 - Mixed-Use Office Alterna
Project Address: 6300 W 3RD ST, 90036

Version 1.2

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	448	-39.7%	270	6.6	2,957	1,782
Home Based Other Production	1,200	-41.2%	706	5.1	6,120	3,601
Non-Home Based Other Production	346	-16.2%	290	6.9	2,387	2,001
Home-Based Work Attraction	448	-39.7%	270	8.2	3,674	2,214
Home-Based Other Attraction	986	-41.4%	578	6.9	6,803	3,988
Non-Home Based Other Attraction	466	-15.5%	394	6.6	3,076	2,600

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	0.0%	270	1,782	0.0%	270	1,782
Home Based Other Production	0.0%	706	3,601	0.0%	706	3,601
Non-Home Based Other Production	0.0%	290	2,001	0.0%	290	2,001
Home-Based Work Attraction	0.0%	270	2,214	0.0%	270	2,214
Home-Based Other Attraction	0.0%	578	3,988	0.0%	578	3,988
Non-Home Based Other Attraction	0.0%	394	2,600	0.0%	394	2,600

MXD VMT Methodology Per Capita & Per Employee

Total Population: 746
Total Employees: 309
APC: Central

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**5,383**	**5,383**
Total Home Based Work Attraction VMT	**2,214**	**2,214**
Total Home Based VMT Per Capita	**N/A**	**N/A**
Total Work Based VMT Per Employee	**N/A**	**N/A**

3rd and Fairfax Mixed-Use Office Alternative

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	63.08	1000sqft	0.00	63,082.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	977.00	Space	0.00	390,800.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Mixed-Use Office Alternative data provided by Applicant. Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Construction schedule assumes an approximate 32 month timeline.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Equipment per Applicant data.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10 cy hauling capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of building volume = 13,986 cy/16 cy hauling capacity).

Demolition - Demolition phase includes 151,048 sf of building demolition debris (x0.046 = 6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy = 1560 tons)

Grading - Pre-demolition abatement assumes 50 cy of debris export. Grading phase includes 110,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator for the Mixed Use Office Alternative - see attached assumptions and data input modifications sheet.

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust supression) with a watering frequency of 3x a day (=61% reduction in fugitive dust).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Builidng Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,448.00	22,872.00

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Annual

tblAreaCoating	Area_Parking	23448	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8250e-003	0.00
tblFleetMix	MCY	4.8760e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6800e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1230e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7800e-003	0.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LandUseSquareFeet	331,000.00	343,000.00

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Annual

tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	LotAcreage	8.79	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	HorsePower	84.00	97.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblOffRoadEquipment	LoadFactor	0.74	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Pre-Demolition Abatement
tblOffRoadEquipment	PhaseName		Pre-Demolition Abatement
tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	113.00	112.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	430.00	150.00
tblTripsAndVMT	WorkerTripNumber	86.00	87.00

tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00

tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	77.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	2,203.00

tblVehicleTrips	ST_TR	0.00	377.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	1,836.00
tblVehicleTrips	SU_TR	0.00	273.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	2,508.00
tblVehicleTrips	WD_TR	0.00	323.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4300	5.8360	3.3954	0.0137	0.6119	0.1572	0.7691	0.2065	0.1469	0.3534	0.0000	1,284.1828	1,284.1828	0.1616	0.0000	1,288.2220
2022	0.3786	3.7351	3.4772	9.8200e-003	0.3057	0.1255	0.4312	0.0833	0.1190	0.2023	0.0000	890.8971	890.8971	0.1017	0.0000	893.4400
2023	1.7196	1.7392	2.0573	5.4100e-003	0.1818	0.0617	0.2435	0.0493	0.0589	0.1081	0.0000	487.8560	487.8560	0.0545	0.0000	489.2176
Maximum	**1.7196**	**5.8360**	**3.4772**	**0.0137**	**0.6119**	**0.1572**	**0.7691**	**0.2065**	**0.1469**	**0.3534**	**0.0000**	**1,284.1828**	**1,284.1828**	**0.1616**	**0.0000**	**1,288.2220**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4300	5.8360	3.3954	0.0137	0.4227	0.1572	0.5799	0.1308	0.1469	0.2777	0.0000	1,284.1824	1,284.1824	0.1616	0.0000	1,288.2215
2022	0.3785	3.7351	3.4772	9.8200e-003	0.3057	0.1255	0.4312	0.0833	0.1190	0.2023	0.0000	890.8967	890.8967	0.1017	0.0000	893.4396
2023	1.7196	1.7392	2.0573	5.4100e-003	0.1818	0.0617	0.2435	0.0493	0.0589	0.1081	0.0000	487.8557	487.8557	0.0545	0.0000	489.2174
Maximum	**1.7196**	**5.8360**	**3.4772**	**0.0137**	**0.4227**	**0.1572**	**0.5799**	**0.1308**	**0.1469**	**0.2777**	**0.0000**	**1,284.1824**	**1,284.1824**	**0.1616**	**0.0000**	**1,288.2215**

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**17.21**	**0.00**	**13.11**	**22.34**	**0.00**	**11.41**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-15-2021**	**5-14-2021**	1.5192	1.5192
2	**5-15-2021**	**8-14-2021**	3.1624	3.1624
3	**8-15-2021**	**11-14-2021**	1.1287	1.1287
4	**11-15-2021**	**2-14-2022**	1.0840	1.0840
5	**2-15-2022**	**5-14-2022**	1.0011	1.0011
6	**5-15-2022**	**8-14-2022**	1.0337	1.0337
7	**8-15-2022**	**11-14-2022**	1.0348	1.0348
8	**11-15-2022**	**2-14-2023**	0.9687	0.9687
9	**2-15-2023**	**5-14-2023**	0.8685	0.8685
10	**5-15-2023**	**8-14-2023**	1.1894	1.1894
11	**8-15-2023**	**9-30-2023**	0.6835	0.6835
		Highest	3.1624	3.1624

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8239	0.0395	3.4278	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6023	5.6023	5.4300e-003	0.0000	5.7380
Energy	0.0294	0.2587	0.1590	1.6100e-003		0.0203	0.0203		0.0203	0.0203	0.0000	3,038.5455	3,038.5455	0.0705	0.0188	3,045.8993
Mobile	0.6051	2.8591	6.9419	0.0261	2.1927	0.0189	2.2116	0.5876	0.0176	0.6051	0.0000	2,418.4578	2,418.4578	0.1162	0.0000	2,421.3618
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	63.7899	0.0000	63.7899	3.7699	0.0000	158.0368
Water						0.0000	0.0000		0.0000	0.0000	11.4361	392.7375	404.1737	1.1839	0.0297	442.6074
Total	**2.4781**	**3.2453**	**10.5790**	**0.0280**	**2.1927**	**0.0611**	**2.2538**	**0.5876**	**0.0597**	**0.6473**	**75.2260**	**5,864.4822**	**5,939.7082**	**5.1471**	**0.0484**	**6,082.8145**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8239	0.0395	3.4278	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6023	5.6023	5.4300e-003	0.0000	5.7380
Energy	0.0294	0.2587	0.1590	1.6100e-003		0.0203	0.0203		0.0203	0.0203	0.0000	3,018.9748	3,018.9748	0.0700	0.0187	3,026.2886
Mobile	0.6051	2.8591	6.9419	0.0261	2.1927	0.0189	2.2116	0.5876	0.0176	0.6051	0.0000	2,418.4578	2,418.4578	0.1162	0.0000	2,421.3618
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	15.9475	0.0000	15.9475	0.9425	0.0000	39.5092
Water						0.0000	0.0000		0.0000	0.0000	9.1489	314.1900	323.3389	0.9471	0.0237	354.0859
Total	**2.4781**	**3.2453**	**10.5790**	**0.0280**	**2.1927**	**0.0611**	**2.2538**	**0.5876**	**0.0597**	**0.6473**	**25.0964**	**5,766.3640**	**5,791.4604**	**2.0824**	**0.0424**	**5,856.1547**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**66.64**	**1.67**	**2.50**	**59.54**	**12.45**	**3.73**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	58.7640
Total	**58.7640**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Architectural Coating	Architectural Coating	6/15/2023	10/16/2023	5	88	
6	Paving	Paving	10/17/2023	10/30/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.5

Acres of Paving: 0

Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 125,991; Non-Residential Outdoor: 41,997; Striped Parking Area: 22,872 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40
Pre-Demolition Abatement	Generator Sets	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	11	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3500e-003	0.0612	0.0494	1.2000e-004		2.7500e-003	2.7500e-003		2.6500e-003	2.6500e-003	0.0000	10.5069	10.5069	2.0600e-003	0.0000	10.5585
Total	**6.3500e-003**	**0.0612**	**0.0494**	**1.2000e-004**	**0.0000**	**2.7500e-003**	**2.7500e-003**	**0.0000**	**2.6500e-003**	**2.6500e-003**	**0.0000**	**10.5069**	**10.5069**	**2.0600e-003**	**0.0000**	**10.5585**

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	**2.9000e-004**	**1.6500e-003**	**2.4100e-003**	**1.0000e-005**	**7.6000e-004**	**0.0000**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**1.0112**	**1.0112**	**5.0000e-005**	**0.0000**	**1.0123**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3500e-003	0.0612	0.0494	1.2000e-004		2.7500e-003	2.7500e-003		2.6500e-003	2.6500e-003	0.0000	10.5068	10.5068	2.0600e-003	0.0000	10.5585
Total	**6.3500e-003**	**0.0612**	**0.0494**	**1.2000e-004**	**0.0000**	**2.7500e-003**	**2.7500e-003**	**0.0000**	**2.6500e-003**	**2.6500e-003**	**0.0000**	**10.5068**	**10.5068**	**2.0600e-003**	**0.0000**	**10.5585**

3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	**2.9000e-004**	**1.6500e-003**	**2.4100e-003**	**1.0000e-005**	**7.6000e-004**	**0.0000**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**1.0112**	**1.0112**	**5.0000e-005**	**0.0000**	**1.0123**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0910	0.0000	0.0910	0.0138	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8017	74.8017	0.0211	0.0000	75.3281
Total	**0.0696**	**0.6917**	**0.4744**	**8.5000e-004**	**0.0910**	**0.0341**	**0.1252**	**0.0138**	**0.0317**	**0.0455**	**0.0000**	**74.8017**	**74.8017**	**0.0211**	**0.0000**	**75.3281**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1861	0.0362	4.7000e-004	9.5000e-003	4.5000e-004	9.9600e-003	2.6100e-003	4.3000e-004	3.0400e-003	0.0000	45.8596	45.8596	3.5900e-003	0.0000	45.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1537	3.1537	8.0000e-005	0.0000	3.1558
Total	**6.2000e-003**	**0.1871**	**0.0477**	**5.0000e-004**	**0.0131**	**4.8000e-004**	**0.0136**	**3.5700e-003**	**4.6000e-004**	**4.0300e-003**	**0.0000**	**49.0133**	**49.0133**	**3.6700e-003**	**0.0000**	**49.1052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0355	0.0000	0.0355	5.3800e-003	0.0000	5.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8016	74.8016	0.0211	0.0000	75.3280
Total	**0.0696**	**0.6917**	**0.4744**	**8.5000e-004**	**0.0355**	**0.0341**	**0.0696**	**5.3800e-003**	**0.0317**	**0.0371**	**0.0000**	**74.8016**	**74.8016**	**0.0211**	**0.0000**	**75.3280**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1861	0.0362	4.7000e-004	9.5000e-003	4.5000e-004	9.9600e-003	2.6100e-003	4.3000e-004	3.0400e-003	0.0000	45.8596	45.8596	3.5900e-003	0.0000	45.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1537	3.1537	8.0000e-005	0.0000	3.1558
Total	**6.2000e-003**	**0.1871**	**0.0477**	**5.0000e-004**	**0.0131**	**4.8000e-004**	**0.0136**	**3.5700e-003**	**4.6000e-004**	**4.0300e-003**	**0.0000**	**49.0133**	**49.0133**	**3.6700e-003**	**0.0000**	**49.1052**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2192	0.0000	0.2192	0.1104	0.0000	0.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1124	1.2060	0.8565	1.8300e-003		0.0530	0.0530		0.0488	0.0488	0.0000	161.1037	161.1037	0.0521	0.0000	162.4063
Total	**0.1124**	**1.2060**	**0.8565**	**1.8300e-003**	**0.2192**	**0.0530**	**0.2722**	**0.1104**	**0.0488**	**0.1592**	**0.0000**	**161.1037**	**161.1037**	**0.0521**	**0.0000**	**162.4063**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0583	2.0218	0.4388	6.1300e-003	0.1418	6.4600e-003	0.1483	0.0389	6.1800e-003	0.0451	0.0000	601.9455	601.9455	0.0398	0.0000	602.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1300e-003	6.0100e-003	0.0680	2.1000e-004	0.0214	1.6000e-004	0.0216	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	18.6354	18.6354	5.0000e-004	0.0000	18.6479
Total	**0.0664**	**2.0278**	**0.5067**	**6.3400e-003**	**0.1632**	**6.6200e-003**	**0.1698**	**0.0446**	**6.3300e-003**	**0.0509**	**0.0000**	**620.5809**	**620.5809**	**0.0403**	**0.0000**	**621.5893**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0855	0.0000	0.0855	0.0431	0.0000	0.0431	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1124	1.2060	0.8565	1.8300e-003		0.0530	0.0530		0.0488	0.0488	0.0000	161.1035	161.1035	0.0521	0.0000	162.4061
Total	**0.1124**	**1.2060**	**0.8565**	**1.8300e-003**	**0.0855**	**0.0530**	**0.1385**	**0.0431**	**0.0488**	**0.0918**	**0.0000**	**161.1035**	**161.1035**	**0.0521**	**0.0000**	**162.4061**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0583	2.0218	0.4388	6.1300e-003	0.1418	6.4600e-003	0.1483	0.0389	6.1800e-003	0.0451	0.0000	601.9455	601.9455	0.0398	0.0000	602.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1300e-003	6.0100e-003	0.0680	2.1000e-004	0.0214	1.6000e-004	0.0216	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	18.6354	18.6354	5.0000e-004	0.0000	18.6479
Total	**0.0664**	**2.0278**	**0.5067**	**6.3400e-003**	**0.1632**	**6.6200e-003**	**0.1698**	**0.0446**	**6.3300e-003**	**0.0509**	**0.0000**	**620.5809**	**620.5809**	**0.0403**	**0.0000**	**621.5893**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2649	146.2649	0.0311	0.0000	147.0419
Total	**0.1188**	**1.0617**	**1.0388**	**1.7100e-003**		**0.0584**	**0.0584**		**0.0553**	**0.0553**	**0.0000**	**146.2649**	**146.2649**	**0.0311**	**0.0000**	**147.0419**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5744	0.1424	1.5000e-003	0.0374	1.1600e-003	0.0386	0.0108	1.1100e-003	0.0119	0.0000	144.9254	144.9254	9.1700e-003	0.0000	145.1545
Worker	0.0331	0.0245	0.2770	8.4000e-004	0.0872	6.5000e-004	0.0879	0.0232	6.0000e-004	0.0238	0.0000	75.9750	75.9750	2.0400e-003	0.0000	76.0259
Total	**0.0500**	**0.5989**	**0.4194**	**2.3400e-003**	**0.1246**	**1.8100e-003**	**0.1265**	**0.0340**	**1.7100e-003**	**0.0357**	**0.0000**	**220.9003**	**220.9003**	**0.0112**	**0.0000**	**221.1804**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2647	146.2647	0.0311	0.0000	147.0417
Total	**0.1188**	**1.0617**	**1.0388**	**1.7100e-003**		**0.0584**	**0.0584**		**0.0553**	**0.0553**	**0.0000**	**146.2647**	**146.2647**	**0.0311**	**0.0000**	**147.0417**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5744	0.1424	1.5000e-003	0.0374	1.1600e-003	0.0386	0.0108	1.1100e-003	0.0119	0.0000	144.9254	144.9254	9.1700e-003	0.0000	145.1545
Worker	0.0331	0.0245	0.2770	8.4000e-004	0.0872	6.5000e-004	0.0879	0.0232	6.0000e-004	0.0238	0.0000	75.9750	75.9750	2.0400e-003	0.0000	76.0259
Total	**0.0500**	**0.5989**	**0.4194**	**2.3400e-003**	**0.1246**	**1.8100e-003**	**0.1265**	**0.0340**	**1.7100e-003**	**0.0357**	**0.0000**	**220.9003**	**220.9003**	**0.0112**	**0.0000**	**221.1804**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8772	358.8772	0.0756	0.0000	360.7665
Total	**0.2634**	**2.3450**	**2.5196**	**4.1900e-003**		**0.1214**	**0.1214**		**0.1152**	**0.1152**	**0.0000**	**358.8772**	**358.8772**	**0.0756**	**0.0000**	**360.7665**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3359	0.3301	3.6400e-003	0.0918	2.4600e-003	0.0942	0.0265	2.3500e-003	0.0288	0.0000	352.3475	352.3475	0.0216	0.0000	352.8883
Worker	0.0763	0.0543	0.6275	1.9900e-003	0.2139	1.5600e-003	0.2155	0.0568	1.4400e-003	0.0583	0.0000	179.6724	179.6724	4.5100e-003	0.0000	179.7853
Total	**0.1152**	**1.3901**	**0.9576**	**5.6300e-003**	**0.3057**	**4.0200e-003**	**0.3097**	**0.0833**	**3.7900e-003**	**0.0871**	**0.0000**	**532.0199**	**532.0199**	**0.0261**	**0.0000**	**532.6736**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8768	358.8768	0.0756	0.0000	360.7660
Total	**0.2634**	**2.3450**	**2.5196**	**4.1900e-003**		**0.1214**	**0.1214**		**0.1152**	**0.1152**	**0.0000**	**358.8768**	**358.8768**	**0.0756**	**0.0000**	**360.7660**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3359	0.3301	3.6400e-003	0.0918	2.4600e-003	0.0942	0.0265	2.3500e-003	0.0288	0.0000	352.3475	352.3475	0.0216	0.0000	352.8883
Worker	0.0763	0.0543	0.6275	1.9900e-003	0.2139	1.5600e-003	0.2155	0.0568	1.4400e-003	0.0583	0.0000	179.6724	179.6724	4.5100e-003	0.0000	179.7853
Total	**0.1152**	**1.3901**	**0.9576**	**5.6300e-003**	**0.3057**	**4.0200e-003**	**0.3097**	**0.0833**	**3.7900e-003**	**0.0871**	**0.0000**	**532.0199**	**532.0199**	**0.0261**	**0.0000**	**532.6736**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9220	162.9220	0.0340	0.0000	163.7708
Total	**0.1106**	**0.9821**	**1.1362**	**1.9000e-003**		**0.0477**	**0.0477**		**0.0453**	**0.0453**	**0.0000**	**162.9220**	**162.9220**	**0.0340**	**0.0000**	**163.7708**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4562	0.1340	1.6000e-003	0.0417	5.2000e-004	0.0422	0.0120	5.0000e-004	0.0125	0.0000	155.0914	155.0914	8.5400e-003	0.0000	155.3048
Worker	0.0326	0.0223	0.2626	8.7000e-004	0.0971	6.9000e-004	0.0978	0.0258	6.3000e-004	0.0264	0.0000	78.5025	78.5025	1.8500e-003	0.0000	78.5487
Total	**0.0458**	**0.4785**	**0.3965**	**2.4700e-003**	**0.1388**	**1.2100e-003**	**0.1400**	**0.0378**	**1.1300e-003**	**0.0389**	**0.0000**	**233.5939**	**233.5939**	**0.0104**	**0.0000**	**233.8535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9218	162.9218	0.0340	0.0000	163.7706
Total	**0.1106**	**0.9821**	**1.1362**	**1.9000e-003**		**0.0477**	**0.0477**		**0.0453**	**0.0453**	**0.0000**	**162.9218**	**162.9218**	**0.0340**	**0.0000**	**163.7706**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4562	0.1340	1.6000e-003	0.0417	5.2000e-004	0.0422	0.0120	5.0000e-004	0.0125	0.0000	155.0914	155.0914	8.5400e-003	0.0000	155.3048
Worker	0.0326	0.0223	0.2626	8.7000e-004	0.0971	6.9000e-004	0.0978	0.0258	6.3000e-004	0.0264	0.0000	78.5025	78.5025	1.8500e-003	0.0000	78.5487
Total	**0.0458**	**0.4785**	**0.3965**	**2.4700e-003**	**0.1388**	**1.2100e-003**	**0.1400**	**0.0378**	**1.1300e-003**	**0.0389**	**0.0000**	**233.5939**	**233.5939**	**0.0104**	**0.0000**	**233.8535**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3081	48.3081	6.7400e-003	0.0000	48.4766
Total	**1.5442**	**0.2248**	**0.3472**	**5.6000e-004**		**0.0103**	**0.0103**		**0.0102**	**0.0102**	**0.0000**	**48.3081**	**48.3081**	**6.7400e-003**	**0.0000**	**48.4766**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	9.6400e-003	0.1136	3.8000e-004	0.0420	3.0000e-004	0.0423	0.0112	2.7000e-004	0.0114	0.0000	33.9557	33.9557	8.0000e-004	0.0000	33.9756
Total	**0.0141**	**9.6400e-003**	**0.1136**	**3.8000e-004**	**0.0420**	**3.0000e-004**	**0.0423**	**0.0112**	**2.7000e-004**	**0.0114**	**0.0000**	**33.9557**	**33.9557**	**8.0000e-004**	**0.0000**	**33.9756**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3080	48.3080	6.7400e-003	0.0000	48.4765
Total	**1.5442**	**0.2248**	**0.3472**	**5.6000e-004**		**0.0103**	**0.0103**		**0.0102**	**0.0102**	**0.0000**	**48.3080**	**48.3080**	**6.7400e-003**	**0.0000**	**48.4765**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	9.6400e-003	0.1136	3.8000e-004	0.0420	3.0000e-004	0.0423	0.0112	2.7000e-004	0.0114	0.0000	33.9557	33.9557	8.0000e-004	0.0000	33.9756
Total	**0.0141**	**9.6400e-003**	**0.1136**	**3.8000e-004**	**0.0420**	**3.0000e-004**	**0.0423**	**0.0112**	**2.7000e-004**	**0.0114**	**0.0000**	**33.9557**	**33.9557**	**8.0000e-004**	**0.0000**	**33.9756**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.5900e-003**	**0.0440**	**0.0610**	**9.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**8.1893**	**8.1893**	**2.5700e-003**	**0.0000**	**8.2536**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8870	0.8870	2.0000e-005	0.0000	0.8876
Total	**3.7000e-004**	**2.5000e-004**	**2.9700e-003**	**1.0000e-005**	**1.1000e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.8870**	**0.8870**	**2.0000e-005**	**0.0000**	**0.8876**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.5900e-003**	**0.0440**	**0.0610**	**9.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**8.1893**	**8.1893**	**2.5700e-003**	**0.0000**	**8.2536**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8870	0.8870	2.0000e-005	0.0000	0.8876
Total	**3.7000e-004**	**2.5000e-004**	**2.9700e-003**	**1.0000e-005**	**1.1000e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.8870**	**0.8870**	**2.0000e-005**	**0.0000**	**0.8876**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6051	2.8591	6.9419	0.0261	2.1927	0.0189	2.2116	0.5876	0.0176	0.6051	0.0000	2,418.4578	2,418.4578	0.1162	0.0000	2,421.3618
Unmitigated	0.6051	2.8591	6.9419	0.0261	2.1927	0.0189	2.2116	0.5876	0.0176	0.6051	0.0000	2,418.4578	2,418.4578	0.1162	0.0000	2,421.3618

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	2,508.00	2,203.00	1836.00	5,758,881	5,758,881
User Defined Parking	323.00	377.00	273.00	11,778	11,778
Total	2,831.00	2,580.00	2,109.00	5,770,659	5,770,659

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,727.5985	2,727.5985	0.0644	0.0133	2,733.1808
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,747.1691	2,747.1691	0.0649	0.0134	2,752.7915
NaturalGas Mitigated	0.0294	0.2587	0.1590	1.6100e-003		0.0203	0.0203		0.0203	0.0203	0.0000	291.3763	291.3763	5.5800e-003	5.3400e-003	293.1079
NaturalGas Unmitigated	0.0294	0.2587	0.1590	1.6100e-003		0.0203	0.0203		0.0203	0.0203	0.0000	291.3763	291.3763	5.5800e-003	5.3400e-003	293.1079

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.05081e+006	0.0165	0.1406	0.0598	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8027	162.8027	3.1200e-003	2.9800e-003	163.7701
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	656684	3.5400e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.0431	35.0431	6.7000e-004	6.4000e-004	35.2514
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0294**	**0.2587**	**0.1590**	**1.6100e-003**		**0.0204**	**0.0204**		**0.0204**	**0.0204**	**0.0000**	**291.3763**	**291.3763**	**5.5800e-003**	**5.3300e-003**	**293.1078**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.05081e+006	0.0165	0.1406	0.0598	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8027	162.8027	3.1200e-003	2.9800e-003	163.7701
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	656684	3.5400e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.0431	35.0431	6.7000e-004	6.4000e-004	35.2514
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0294**	**0.2587**	**0.1590**	**1.6100e-003**		**0.0204**	**0.0204**		**0.0204**	**0.0204**	**0.0000**	**291.3763**	**291.3763**	**5.5800e-003**	**5.3300e-003**	**293.1078**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.31079e+006	730.0577	0.0172	3.5700e-003	731.5518
Enclosed Parking with Elevator	2.29009e+006	1,275.4909	0.0301	6.2300e-003	1,278.1014
General Office Building	819435	456.3939	0.0108	2.2300e-003	457.3279
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**2,747.1692**	**0.0649**	**0.0134**	**2,752.7915**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.27565e+006	710.4870	0.0168	3.4700e-003	711.9411
Enclosed Parking with Elevator	2.29009e+006	1,275.4909	0.0301	6.2300e-003	1,278.1014
General Office Building	819435	456.3939	0.0108	2.2300e-003	457.3279
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**2,727.5985**	**0.0644**	**0.0133**	**2,733.1808**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8239	0.0395	3.4278	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6023	5.6023	5.4300e-003	0.0000	5.7380
Unmitigated	1.8239	0.0395	3.4278	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6023	5.6023	5.4300e-003	0.0000	5.7380

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1041	0.0395	3.4278	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6023	5.6023	5.4300e-003	0.0000	5.7380
Total	**1.8239**	**0.0395**	**3.4278**	**1.8000e-004**		**0.0190**	**0.0190**		**0.0190**	**0.0190**	**0.0000**	**5.6023**	**5.6023**	**5.4300e-003**	**0.0000**	**5.7380**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1041	0.0395	3.4278	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6023	5.6023	5.4300e-003	0.0000	5.7380
Total	**1.8239**	**0.0395**	**3.4278**	**1.8000e-004**		**0.0190**	**0.0190**		**0.0190**	**0.0190**	**0.0000**	**5.6023**	**5.6023**	**5.4300e-003**	**0.0000**	**5.7380**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	323.3389	0.9471	0.0237	354.0859
Unmitigated	404.1737	1.1839	0.0297	442.6074

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	21.566 / 13.5959	247.3722	0.7084	0.0178	270.3774
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	11.2114 / 6.87153	127.3844	0.3683	9.2300e-003	139.3416
High Turnover (Sit Down Restaurant)	2.2765 / 0.145309	18.1310	0.0746	1.8400e-003	20.5431
Regional Shopping Center	0.993313 / 0.608804	11.2860	0.0326	8.2000e-004	12.3454
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**404.1737**	**1.1839**	**0.0297**	**442.6074**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.2528 / 10.8768	197.8978	0.5667	0.0142	216.3019
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.96916 / 5.49722	101.9075	0.2946	7.3800e-003	111.4733
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	14.5048	0.0597	1.4700e-003	16.4345
Regional Shopping Center	0.79465 / 0.487044	9.0288	0.0261	6.5000e-004	9.8763
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**323.3389**	**0.9471**	**0.0237**	**354.0859**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.9475	0.9425	0.0000	39.5092
Unmitigated	63.7899	3.7699	0.0000	158.0368

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	152.26	30.9074	1.8266	0.0000	76.5718
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	58.66	11.9075	0.7037	0.0000	29.5002
High Turnover (Sit Down Restaurant)	89.25	18.1169	1.0707	0.0000	44.8840
Regional Shopping Center	14.08	2.8581	0.1689	0.0000	7.0809
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**63.7899**	**3.7699**	**0.0000**	**158.0368**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.065	7.7269	0.4566	0.0000	19.1430
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	14.665	2.9769	0.1759	0.0000	7.3751
High Turnover (Sit Down Restaurant)	22.3125	4.5292	0.2677	0.0000	11.2210
Regional Shopping Center	3.52	0.7145	0.0422	0.0000	1.7702
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**15.9475**	**0.9425**	**0.0000**	**39.5092**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Total	**0.0197**	**0.0881**	**0.0502**	**9.0000e-005**		**2.9000e-003**	**2.9000e-003**		**2.9000e-003**	**2.9000e-003**	**0.0000**	**9.1391**	**9.1391**	**1.2800e-003**	**0.0000**	**9.1712**

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	58.7640	0.0000	0.0000	58.7640

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	83	58.7640	0.0000	0.0000	58.7640
Total		**58.7640**	**0.0000**	**0.0000**	**58.7640**

3rd and Fairfax Mixed-Use Office Alternative

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	63.08	1000sqft	0.00	63,082.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	977.00	Space	0.00	390,800.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Mixed-Use Office Alternative data provided by Applicant. Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Construction schedule assumes an approximate 32 month timeline.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Equipment per Applicant data.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10 cy hauling capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of building volume = 13,986 cy/16 cy hauling capacity).

Demolition - Demolition phase includes 151,048 sf of building demolition debris (x0.046 = 6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy = 1560 tons)

Grading - Pre-demolition abatement assumes 50 cy of debris export. Grading phase includes 110,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator for the Mixed Use Office Alternative - see attached assumptions and data input modifications sheet.

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust supression) with a watering frequency of 3x a day (=61% reduction in fugitive dust).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Builidng Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,448.00	22,872.00

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Winter

tblAreaCoating	Area_Parking	23448	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8250e-003	0.00
tblFleetMix	MCY	4.8760e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6800e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1230e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7800e-003	0.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LandUseSquareFeet	331,000.00	343,000.00

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Winter

tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	LotAcreage	8.79	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	HorsePower	84.00	97.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblOffRoadEquipment	LoadFactor	0.74	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Pre-Demolition Abatement
tblOffRoadEquipment	PhaseName		Pre-Demolition Abatement
tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	113.00	112.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	430.00	150.00
tblTripsAndVMT	WorkerTripNumber	86.00	87.00

tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00

tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	77.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	2,203.00

tblVehicleTrips	ST_TR	0.00	377.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	1,836.00
tblVehicleTrips	SU_TR	0.00	273.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	2,508.00
tblVehicleTrips	WD_TR	0.00	323.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.5512	98.4143	42.3529	0.2495	11.8492	1.8358	13.6850	4.7896	1.6963	6.4859	0.0000	26,313.6869	26,313.6869	3.1630	0.0000	26,392.7627
2022	2.9843	28.5438	26.7512	0.0748	2.3935	0.9654	3.3589	0.6510	0.9158	1.5668	0.0000	7,477.4139	7,477.4139	0.8691	0.0000	7,499.1412
2023	35.4505	24.6289	25.9486	0.0734	2.3935	0.8292	3.2226	0.6510	0.7865	1.4376	0.0000	7,334.7062	7,334.7062	0.8333	0.0000	7,355.5393
Maximum	**35.4505**	**98.4143**	**42.3529**	**0.2495**	**11.8492**	**1.8358**	**13.6850**	**4.7896**	**1.6963**	**6.4859**	**0.0000**	**26,313.6869**	**26,313.6869**	**3.1630**	**0.0000**	**26,392.7627**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.5512	98.4143	42.3529	0.2495	7.7355	1.8358	9.5713	2.7178	1.6963	4.4141	0.0000	26,313.6869	26,313.6869	3.1630	0.0000	26,392.7627
2022	2.9843	28.5438	26.7512	0.0748	2.3935	0.9654	3.3589	0.6510	0.9158	1.5668	0.0000	7,477.4139	7,477.4139	0.8691	0.0000	7,499.1412
2023	35.4505	24.6289	25.9486	0.0734	2.3935	0.8292	3.2226	0.6510	0.7865	1.4376	0.0000	7,334.7062	7,334.7062	0.8333	0.0000	7,355.5393
Maximum	**35.4505**	**98.4143**	**42.3529**	**0.2495**	**7.7355**	**1.8358**	**9.5713**	**2.7178**	**1.6963**	**4.4141**	**0.0000**	**26,313.6869**	**26,313.6869**	**3.1630**	**0.0000**	**26,392.7627**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**24.73**	**0.00**	**20.30**	**34.01**	**0.00**	**21.83**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008
Energy	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896
Mobile	3.6432	16.4931	40.0368	0.1498	12.9962	0.1106	13.1069	3.4772	0.1029	3.5800		15,283.8146	15,283.8146	0.7552		15,302.6956
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**17.3429**	**32.9039**	**76.6994**	**0.1758**	**12.9962**	**0.8565**	**13.8527**	**3.4772**	**0.8487**	**4.3259**	**0.0000**	**18,772.1774**	**18,772.1774**	**1.0723**	**0.0323**	**18,808.5992**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008
Energy	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896
Mobile	3.6432	16.4931	40.0368	0.1498	12.9962	0.1106	13.1069	3.4772	0.1029	3.5800		15,283.8146	15,283.8146	0.7552		15,302.6956
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**17.3429**	**32.9039**	**76.6994**	**0.1758**	**12.9962**	**0.8565**	**13.8527**	**3.4772**	**0.8487**	**4.3259**	**0.0000**	**18,772.1774**	**18,772.1774**	**1.0723**	**0.0323**	**18,808.5992**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Architectural Coating	Architectural Coating	6/15/2023	10/16/2023	5	88	
6	Paving	Paving	10/17/2023	10/30/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.5

Acres of Paving: 0

Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 125,991; Non-Residential Outdoor: 41,997; Striped Parking Area: 22,872 (Architectural Coating – sqft)

OffRoad Equipment

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40
Pre-Demolition Abatement	Generator Sets	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	11	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527		1,544.2422	1,544.2422	0.3035		1,551.8288
Total	**0.8463**	**8.1553**	**6.5843**	**0.0161**	**0.0000**	**0.3665**	**0.3665**	**0.0000**	**0.3527**	**0.3527**		**1,544.2422**	**1,544.2422**	**0.3035**		**1,551.8288**

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7300e-003	0.1927	0.0440	5.9000e-004	0.0140	6.3000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		63.7491	63.7491	4.3500e-003		63.8578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	**0.0426**	**0.2166**	**0.3149**	**1.4200e-003**	**0.1034**	**1.2900e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**146.6026**	**146.6026**	**6.5700e-003**		**146.7667**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527	0.0000	1,544.2422	1,544.2422	0.3035		1,551.8288
Total	**0.8463**	**8.1553**	**6.5843**	**0.0161**	**0.0000**	**0.3665**	**0.3665**	**0.0000**	**0.3527**	**0.3527**	**0.0000**	**1,544.2422**	**1,544.2422**	**0.3035**		**1,551.8288**

3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7300e-003	0.1927	0.0440	5.9000e-004	0.0140	6.3000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		63.7491	63.7491	4.3500e-003		63.8578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	**0.0426**	**0.2166**	**0.3149**	**1.4200e-003**	**0.1034**	**1.2900e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**146.6026**	**146.6026**	**6.5700e-003**		**146.7667**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**4.1378**	**1.5513**	**5.6891**	**0.6265**	**1.4411**	**2.0676**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2246	8.2971	1.7471	0.0209	0.4390	0.0209	0.4600	0.1204	0.0200	0.1404		2,257.1830	2,257.1830	0.1861		2,261.8342
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.2938**	**8.3420**	**2.2549**	**0.0224**	**0.6067**	**0.0222**	**0.6289**	**0.1648**	**0.0212**	**0.1860**		**2,412.5331**	**2,412.5331**	**0.1902**		**2,417.2885**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.6137**	**1.5513**	**3.1651**	**0.2443**	**1.4411**	**1.6854**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2246	8.2971	1.7471	0.0209	0.4390	0.0209	0.4600	0.1204	0.0200	0.1404		2,257.1830	2,257.1830	0.1861		2,261.8342
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.2938**	**8.3420**	**2.2549**	**0.0224**	**0.6067**	**0.0222**	**0.6289**	**0.1648**	**0.0212**	**0.1860**		**2,412.5331**	**2,412.5331**	**0.1902**		**2,417.2885**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7437	0.0000	6.7437	3.3965	0.0000	3.3965			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003		5,464.1986	5,464.1986	1.7672		5,508.3794
Total	**3.4568**	**37.1062**	**26.3546**	**0.0564**	**6.7437**	**1.6308**	**8.3745**	**3.3965**	**1.5003**	**4.8968**		**5,464.1986**	**5,464.1986**	**1.7672**		**5,508.3794**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8176	61.1282	13.9670	0.1869	4.4348	0.2001	4.6349	1.2153	0.1915	1.4067		20,228.0876	20,228.0876	1.3792		20,262.5662
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2767	0.1798	2.0312	6.2400e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		621.4007	621.4007	0.0167		621.8171
Total	**2.0943**	**61.3081**	**15.9983**	**0.1931**	**5.1054**	**0.2051**	**5.3105**	**1.3931**	**0.1960**	**1.5891**		**20,849.4883**	**20,849.4883**	**1.3958**		**20,884.3833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6301	0.0000	2.6301	1.3246	0.0000	1.3246			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003	0.0000	5,464.1986	5,464.1986	1.7672		5,508.3794
Total	**3.4568**	**37.1062**	**26.3546**	**0.0564**	**2.6301**	**1.6308**	**4.2608**	**1.3246**	**1.5003**	**2.8249**	**0.0000**	**5,464.1986**	**5,464.1986**	**1.7672**		**5,508.3794**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8176	61.1282	13.9670	0.1869	4.4348	0.2001	4.6349	1.2153	0.1915	1.4067		20,228.0876	20,228.0876	1.3792		20,262.5662
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2767	0.1798	2.0312	6.2400e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		621.4007	621.4007	0.0167		621.8171
Total	**2.0943**	**61.3081**	**15.9983**	**0.1931**	**5.1054**	**0.2051**	**5.3105**	**1.3931**	**0.1960**	**1.5891**		**20,849.4883**	**20,849.4883**	**1.3958**		**20,884.3833**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**		**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3281	10.6482	2.8366	0.0278	0.7168	0.0222	0.7390	0.2064	0.0212	0.2276		2,962.9622	2,962.9622	0.1983		2,967.9183
Worker	0.6918	0.4495	5.0781	0.0156	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,553.5018	1,553.5018	0.0416		1,554.5427
Total	**1.0198**	**11.0977**	**7.9147**	**0.0434**	**2.3935**	**0.0345**	**2.4280**	**0.6510**	**0.0326**	**0.6836**		**4,516.4640**	**4,516.4640**	**0.2399**		**4,522.4610**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**	**0.0000**	**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3281	10.6482	2.8366	0.0278	0.7168	0.0222	0.7390	0.2064	0.0212	0.2276		2,962.9622	2,962.9622	0.1983		2,967.9183
Worker	0.6918	0.4495	5.0781	0.0156	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,553.5018	1,553.5018	0.0416		1,554.5427
Total	**1.0198**	**11.0977**	**7.9147**	**0.0434**	**2.3935**	**0.0345**	**2.4280**	**0.6510**	**0.0326**	**0.6836**		**4,516.4640**	**4,516.4640**	**0.2399**		**4,522.4610**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**		**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3078	10.0992	2.6823	0.0275	0.7168	0.0193	0.7361	0.2064	0.0184	0.2248		2,936.5753	2,936.5753	0.1907		2,941.3432
Worker	0.6506	0.4060	4.6871	0.0150	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,497.8048	1,497.8048	0.0376		1,498.7447
Total	**0.9584**	**10.5052**	**7.3694**	**0.0425**	**2.3935**	**0.0312**	**2.4247**	**0.6510**	**0.0295**	**0.6805**		**4,434.3801**	**4,434.3801**	**0.2283**		**4,440.0879**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**	**0.0000**	**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3078	10.0992	2.6823	0.0275	0.7168	0.0193	0.7361	0.2064	0.0184	0.2248		2,936.5753	2,936.5753	0.1907		2,941.3432
Worker	0.6506	0.4060	4.6871	0.0150	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,497.8048	1,497.8048	0.0376		1,498.7447
Total	**0.9584**	**10.5052**	**7.3694**	**0.0425**	**2.3935**	**0.0312**	**2.4247**	**0.6510**	**0.0295**	**0.6805**		**4,434.3801**	**4,434.3801**	**0.2283**		**4,440.0879**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**		**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2297	7.6165	2.3718	0.0266	0.7168	9.0400e-003	0.7259	0.2064	8.6400e-003	0.2150		2,848.8506	2,848.8506	0.1651		2,852.9785
Worker	0.6136	0.3672	4.3199	0.0145	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,441.9447	1,441.9447	0.0339		1,442.7915
Total	**0.8433**	**7.9837**	**6.6917**	**0.0411**	**2.3935**	**0.0207**	**2.4142**	**0.6510**	**0.0194**	**0.6704**		**4,290.7952**	**4,290.7952**	**0.1990**		**4,295.7700**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**	**0.0000**	**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2297	7.6165	2.3718	0.0266	0.7168	9.0400e-003	0.7259	0.2064	8.6400e-003	0.2150		2,848.8506	2,848.8506	0.1651		2,852.9785
Worker	0.6136	0.3672	4.3199	0.0145	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,441.9447	1,441.9447	0.0339		1,442.7915
Total	**0.8433**	**7.9837**	**6.6917**	**0.0411**	**2.3935**	**0.0207**	**2.4142**	**0.6510**	**0.0194**	**0.6704**		**4,290.7952**	**4,290.7952**	**0.1990**		**4,295.7700**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**35.0946**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**		**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3559	0.2130	2.5056	8.3900e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		836.3279	836.3279	0.0197		836.8191
Total	**0.3559**	**0.2130**	**2.5056**	**8.3900e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**836.3279**	**836.3279**	**0.0197**		**836.8191**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**35.0946**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3559	0.2130	2.5056	8.3900e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		836.3279	836.3279	0.0197		836.8191
Total	**0.3559**	**0.2130**	**2.5056**	**8.3900e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**836.3279**	**836.3279**	**0.0197**		**836.8191**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6432	16.4931	40.0368	0.1498	12.9962	0.1106	13.1069	3.4772	0.1029	3.5800		15,283.8146	15,283.8146	0.7552		15,302.6956
Unmitigated	3.6432	16.4931	40.0368	0.1498	12.9962	0.1106	13.1069	3.4772	0.1029	3.5800		15,283.8146	15,283.8146	0.7552		15,302.6956

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	2,508.00	2,203.00	1836.00	5,758,881	5,758,881
User Defined Parking	323.00	377.00	273.00	11,778	11,778
Total	2,831.00	2,580.00	2,109.00	5,770,659	5,770,659

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896
NaturalGas Unmitigated	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8358.38	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1799.13	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6627	211.6627	4.0600e-003	3.8800e-003	212.9205
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1613**	**1.4175**	**0.8714**	**8.8100e-003**		**0.1115**	**0.1115**		**0.1115**	**0.1115**		**1,759.9312**	**1,759.9312**	**0.0337**	**0.0323**	**1,770.3896**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.35838	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.79913	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6627	211.6627	4.0600e-003	3.8800e-003	212.9205
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1613**	**1.4175**	**0.8714**	**8.8100e-003**		**0.1115**	**0.1115**		**0.1115**	**0.1115**		**1,759.9312**	**1,759.9312**	**0.0337**	**0.0323**	**1,770.3896**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008
Unmitigated	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8329	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4035	49.4035	0.0479		50.6008
Total	**10.2562**	**0.3158**	**27.4225**	**1.4500e-003**		**0.1516**	**0.1516**		**0.1516**	**0.1516**	**0.0000**	**49.4035**	**49.4035**	**0.0479**	**0.0000**	**50.6008**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8329	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4035	49.4035	0.0479		50.6008
Total	**10.2562**	**0.3158**	**27.4225**	**1.4500e-003**		**0.1516**	**0.1516**		**0.1516**	**0.1516**	**0.0000**	**49.4035**	**49.4035**	**0.0479**	**0.0000**	**50.6008**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**3.2821**	**14.6775**	**8.3688**	**0.0158**		**0.4828**	**0.4828**		**0.4828**	**0.4828**		**1,679.0282**	**1,679.0282**	**0.2354**		**1,684.9132**

11.0 Vegetation

3rd and Fairfax Mixed-Use Office Alternative

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	63.08	1000sqft	0.00	63,082.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	977.00	Space	0.00	390,800.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Mixed-Use Office Alternative data provided by Applicant. Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Construction schedule assumes an approximate 32 month timeline.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Equipment per Applicant data.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10 cy hauling capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of building volume = 13,986 cy/16 cy hauling capacity).

Demolition - Demolition phase includes 151,048 sf of building demolition debris (x0.046 = 6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy = 1560 tons)

Grading - Pre-demolition abatement assumes 50 cy of debris export. Grading phase includes 110,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator for the Mixed Use Office Alternative - see attached assumptions and data input modifications sheet.

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust supression) with a watering frequency of 3x a day (=61% reduction in fugitive dust).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Builidng Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,448.00	22,872.00

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Summer

tblAreaCoating	Area_Parking	23448	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8250e-003	0.00
tblFleetMix	MCY	4.8760e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.6800e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1230e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.7800e-003	0.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LandUseSquareFeet	331,000.00	343,000.00

tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	LotAcreage	8.79	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	HorsePower	84.00	97.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblOffRoadEquipment	LoadFactor	0.74	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Pre-Demolition Abatement
tblOffRoadEquipment	PhaseName		Pre-Demolition Abatement
tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	113.00	112.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	430.00	150.00
tblTripsAndVMT	WorkerTripNumber	86.00	87.00

tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00

tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	77.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	2,203.00

tblVehicleTrips	ST_TR	0.00	377.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	1,836.00
tblVehicleTrips	SU_TR	0.00	273.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	2,508.00
tblVehicleTrips	WD_TR	0.00	323.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4840	97.4802	41.7607	0.2530	11.8492	1.8333	13.6825	4.7896	1.6939	6.4835	0.0000	26,681.3179	26,681.3179	3.1149	0.0000	26,759.1896
2022	2.9121	28.5493	27.0028	0.0766	2.3935	0.9648	3.3583	0.6510	0.9152	1.5662	0.0000	7,669.2819	7,669.2819	0.8588	0.0000	7,690.7530
2023	35.4185	24.6466	26.2407	0.0751	2.3935	0.8288	3.2222	0.6510	0.7861	1.4372	0.0000	7,518.7246	7,518.7246	0.8257	0.0000	7,539.3669
Maximum	**35.4185**	**97.4802**	**41.7607**	**0.2530**	**11.8492**	**1.8333**	**13.6825**	**4.7896**	**1.6939**	**6.4835**	**0.0000**	**26,681.3179**	**26,681.3179**	**3.1149**	**0.0000**	**26,759.1896**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4840	97.4802	41.7607	0.2530	7.7355	1.8333	9.5688	2.7178	1.6939	4.4117	0.0000	26,681.3179	26,681.3179	3.1149	0.0000	26,759.1896
2022	2.9121	28.5493	27.0028	0.0766	2.3935	0.9648	3.3583	0.6510	0.9152	1.5662	0.0000	7,669.2819	7,669.2819	0.8588	0.0000	7,690.7530
2023	35.4185	24.6466	26.2407	0.0751	2.3935	0.8288	3.2222	0.6510	0.7861	1.4372	0.0000	7,518.7246	7,518.7246	0.8257	0.0000	7,539.3669
Maximum	**35.4185**	**97.4802**	**41.7607**	**0.2530**	**7.7355**	**1.8333**	**9.5688**	**2.7178**	**1.6939**	**4.4117**	**0.0000**	**26,681.3179**	**26,681.3179**	**3.1149**	**0.0000**	**26,759.1896**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**24.73**	**0.00**	**20.30**	**34.01**	**0.00**	**21.84**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008
Energy	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896
Mobile	3.8639	16.3188	42.0567	0.1585	12.9962	0.1099	13.1061	3.4772	0.1021	3.5793		16,159.2312	16,159.2312	0.7483		16,177.9381
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**17.5636**	**32.7296**	**78.7194**	**0.1845**	**12.9962**	**0.8557**	**13.8520**	**3.4772**	**0.8480**	**4.3251**	**0.0000**	**19,647.5941**	**19,647.5941**	**1.0653**	**0.0323**	**19,683.8416**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008
Energy	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896
Mobile	3.8639	16.3188	42.0567	0.1585	12.9962	0.1099	13.1061	3.4772	0.1021	3.5793		16,159.2312	16,159.2312	0.7483		16,177.9381
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**17.5636**	**32.7296**	**78.7194**	**0.1845**	**12.9962**	**0.8557**	**13.8520**	**3.4772**	**0.8480**	**4.3251**	**0.0000**	**19,647.5941**	**19,647.5941**	**1.0653**	**0.0323**	**19,683.8416**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Architectural Coating	Architectural Coating	6/15/2023	10/16/2023	5	88	
6	Paving	Paving	10/17/2023	10/30/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.5

Acres of Paving: 0

Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 125,991; Non-Residential Outdoor: 41,997; Striped Parking Area: 22,872 (Architectural Coating – sqft)

OffRoad Equipment

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40
Pre-Demolition Abatement	Generator Sets	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	11	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527		1,544.2422	1,544.2422	0.3035		1,551.8288
Total	**0.8463**	**8.1553**	**6.5843**	**0.0161**	**0.0000**	**0.3665**	**0.3665**	**0.0000**	**0.3527**	**0.3527**		**1,544.2422**	**1,544.2422**	**0.3035**		**1,551.8288**

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5900e-003	0.1898	0.0414	6.0000e-004	0.0140	6.2000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		64.7721	64.7721	4.1900e-003		64.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	**0.0394**	**0.2117**	**0.3428**	**1.4900e-003**	**0.1034**	**1.2800e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**153.3643**	**153.3643**	**6.5700e-003**		**153.5287**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527	0.0000	1,544.2422	1,544.2422	0.3035		1,551.8288
Total	**0.8463**	**8.1553**	**6.5843**	**0.0161**	**0.0000**	**0.3665**	**0.3665**	**0.0000**	**0.3527**	**0.3527**	**0.0000**	**1,544.2422**	**1,544.2422**	**0.3035**		**1,551.8288**

3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5900e-003	0.1898	0.0414	6.0000e-004	0.0140	6.2000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		64.7721	64.7721	4.1900e-003		64.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	**0.0394**	**0.2117**	**0.3428**	**1.4900e-003**	**0.1034**	**1.2800e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**153.3643**	**153.3643**	**6.5700e-003**		**153.5287**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**4.1378**	**1.5513**	**5.6891**	**0.6265**	**1.4411**	**2.0676**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2151	8.2967	1.5618	0.0215	0.4390	0.0204	0.4594	0.1204	0.0195	0.1399		2,327.2085	2,327.2085	0.1754		2,331.5923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.2784**	**8.3378**	**2.1269**	**0.0232**	**0.6067**	**0.0216**	**0.6283**	**0.1648**	**0.0207**	**0.1855**		**2,493.3190**	**2,493.3190**	**0.1798**		**2,497.8145**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.6137**	**1.5513**	**3.1651**	**0.2443**	**1.4411**	**1.6854**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2151	8.2967	1.5618	0.0215	0.4390	0.0204	0.4594	0.1204	0.0195	0.1399		2,327.2085	2,327.2085	0.1754		2,331.5923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.2784**	**8.3378**	**2.1269**	**0.0232**	**0.6067**	**0.0216**	**0.6283**	**0.1648**	**0.0207**	**0.1855**		**2,493.3190**	**2,493.3190**	**0.1798**		**2,497.8145**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7437	0.0000	6.7437	3.3965	0.0000	3.3965			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003		5,464.1986	5,464.1986	1.7672		5,508.3794
Total	**3.4568**	**37.1062**	**26.3546**	**0.0564**	**6.7437**	**1.6308**	**8.3745**	**3.3965**	**1.5003**	**4.8968**		**5,464.1986**	**5,464.1986**	**1.7672**		**5,508.3794**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7739	60.2098	13.1457	0.1899	4.4348	0.1976	4.6324	1.2153	0.1890	1.4043		20,552.6773	20,552.6773	1.3298		20,585.9215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2533	0.1643	2.2604	6.6700e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		664.4420	664.4420	0.0179		664.8887
Total	**2.0272**	**60.3740**	**15.4061**	**0.1965**	**5.1054**	**0.2025**	**5.3080**	**1.3931**	**0.1936**	**1.5867**		**21,217.1193**	**21,217.1193**	**1.3476**		**21,250.8102**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6301	0.0000	2.6301	1.3246	0.0000	1.3246			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003	0.0000	5,464.1986	5,464.1986	1.7672		5,508.3794
Total	**3.4568**	**37.1062**	**26.3546**	**0.0564**	**2.6301**	**1.6308**	**4.2608**	**1.3246**	**1.5003**	**2.8249**	**0.0000**	**5,464.1986**	**5,464.1986**	**1.7672**		**5,508.3794**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7739	60.2098	13.1457	0.1899	4.4348	0.1976	4.6324	1.2153	0.1890	1.4043		20,552.6773	20,552.6773	1.3298		20,585.9215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2533	0.1643	2.2604	6.6700e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		664.4420	664.4420	0.0179		664.8887
Total	**2.0272**	**60.3740**	**15.4061**	**0.1965**	**5.1054**	**0.2025**	**5.3080**	**1.3931**	**0.1936**	**1.5867**		**21,217.1193**	**21,217.1193**	**1.3476**		**21,250.8102**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**		**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3117	10.6821	2.5349	0.0286	0.7168	0.0215	0.7383	0.2064	0.0206	0.2269		3,051.3108	3,051.3108	0.1846		3,055.9253
Worker	0.6332	0.4107	5.6509	0.0167	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,661.1050	1,661.1050	0.0447		1,662.2217
Total	**0.9448**	**11.0927**	**8.1857**	**0.0453**	**2.3935**	**0.0339**	**2.4273**	**0.6510**	**0.0319**	**0.6830**		**4,712.4158**	**4,712.4158**	**0.2293**		**4,718.1470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**	**0.0000**	**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3117	10.6821	2.5349	0.0286	0.7168	0.0215	0.7383	0.2064	0.0206	0.2269		3,051.3108	3,051.3108	0.1846		3,055.9253
Worker	0.6332	0.4107	5.6509	0.0167	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,661.1050	1,661.1050	0.0447		1,662.2217
Total	**0.9448**	**11.0927**	**8.1857**	**0.0453**	**2.3935**	**0.0339**	**2.4273**	**0.6510**	**0.0319**	**0.6830**		**4,712.4158**	**4,712.4158**	**0.2293**		**4,718.1470**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**		**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2923	10.1397	2.3957	0.0283	0.7168	0.0186	0.7355	0.2064	0.0178	0.2242		3,024.6622	3,024.6622	0.1777		3,029.1045
Worker	0.5939	0.3710	5.2253	0.0161	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,601.5859	1,601.5859	0.0404		1,602.5952
Total	**0.8862**	**10.5107**	**7.6210**	**0.0444**	**2.3935**	**0.0306**	**2.4241**	**0.6510**	**0.0289**	**0.6799**		**4,626.2481**	**4,626.2481**	**0.2181**		**4,631.6996**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**	**0.0000**	**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2923	10.1397	2.3957	0.0283	0.7168	0.0186	0.7355	0.2064	0.0178	0.2242		3,024.6622	3,024.6622	0.1777		3,029.1045
Worker	0.5939	0.3710	5.2253	0.0161	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,601.5859	1,601.5859	0.0404		1,602.5952
Total	**0.8862**	**10.5107**	**7.6210**	**0.0444**	**2.3935**	**0.0306**	**2.4241**	**0.6510**	**0.0289**	**0.6799**		**4,626.2481**	**4,626.2481**	**0.2181**		**4,631.6996**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**		**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2180	7.6657	2.1584	0.0274	0.7168	8.6200e-003	0.7254	0.2064	8.2400e-003	0.2146		2,932.9184	2,932.9184	0.1549		2,936.7920
Worker	0.5584	0.3357	4.8254	0.0155	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,541.8953	1,541.8953	0.0364		1,542.8055
Total	**0.7765**	**8.0013**	**6.9839**	**0.0429**	**2.3935**	**0.0203**	**2.4138**	**0.6510**	**0.0190**	**0.6700**		**4,474.8137**	**4,474.8137**	**0.1914**		**4,479.5975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**	**0.0000**	**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2180	7.6657	2.1584	0.0274	0.7168	8.6200e-003	0.7254	0.2064	8.2400e-003	0.2146		2,932.9184	2,932.9184	0.1549		2,936.7920
Worker	0.5584	0.3357	4.8254	0.0155	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,541.8953	1,541.8953	0.0364		1,542.8055
Total	**0.7765**	**8.0013**	**6.9839**	**0.0429**	**2.3935**	**0.0203**	**2.4138**	**0.6510**	**0.0190**	**0.6700**		**4,474.8137**	**4,474.8137**	**0.1914**		**4,479.5975**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**35.0946**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**		**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3239	0.1947	2.7988	8.9700e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		894.2993	894.2993	0.0211		894.8272
Total	**0.3239**	**0.1947**	**2.7988**	**8.9700e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**894.2993**	**894.2993**	**0.0211**		**894.8272**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**35.0946**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3239	0.1947	2.7988	8.9700e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		894.2993	894.2993	0.0211		894.8272
Total	**0.3239**	**0.1947**	**2.7988**	**8.9700e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**894.2993**	**894.2993**	**0.0211**		**894.8272**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8639	16.3188	42.0567	0.1585	12.9962	0.1099	13.1061	3.4772	0.1021	3.5793		16,159.2312	16,159.2312	0.7483		16,177.9381
Unmitigated	3.8639	16.3188	42.0567	0.1585	12.9962	0.1099	13.1061	3.4772	0.1021	3.5793		16,159.2312	16,159.2312	0.7483		16,177.9381

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	2,508.00	2,203.00	1836.00	5,758,881	5,758,881
User Defined Parking	323.00	377.00	273.00	11,778	11,778
Total	2,831.00	2,580.00	2,109.00	5,770,659	5,770,659

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Office Alternative - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896
NaturalGas Unmitigated	0.1613	1.4174	0.8714	8.8000e-003		0.1115	0.1115		0.1115	0.1115		1,759.9312	1,759.9312	0.0337	0.0323	1,770.3896

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8358.38	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1799.13	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6627	211.6627	4.0600e-003	3.8800e-003	212.9205
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1613**	**1.4175**	**0.8714**	**8.8100e-003**		**0.1115**	**0.1115**		**0.1115**	**0.1115**		**1,759.9312**	**1,759.9312**	**0.0337**	**0.0323**	**1,770.3896**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.35838	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.79913	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6627	211.6627	4.0600e-003	3.8800e-003	212.9205
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1613**	**1.4175**	**0.8714**	**8.8100e-003**		**0.1115**	**0.1115**		**0.1115**	**0.1115**		**1,759.9312**	**1,759.9312**	**0.0337**	**0.0323**	**1,770.3896**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008
Unmitigated	10.2562	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4035	49.4035	0.0479	0.0000	50.6008

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8329	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4035	49.4035	0.0479		50.6008
Total	**10.2562**	**0.3158**	**27.4225**	**1.4500e-003**		**0.1516**	**0.1516**		**0.1516**	**0.1516**	**0.0000**	**49.4035**	**49.4035**	**0.0479**	**0.0000**	**50.6008**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8329	0.3158	27.4225	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4035	49.4035	0.0479		50.6008
Total	**10.2562**	**0.3158**	**27.4225**	**1.4500e-003**		**0.1516**	**0.1516**		**0.1516**	**0.1516**	**0.0000**	**49.4035**	**49.4035**	**0.0479**	**0.0000**	**50.6008**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**3.2821**	**14.6775**	**8.3688**	**0.0158**		**0.4828**	**0.4828**		**0.4828**	**0.4828**		**1,679.0282**	**1,679.0282**	**0.2354**		**1,684.9132**

11.0 Vegetation

Appendix L
Project Alternatives Traffic, Air Quality and Greenhouse Gas Modeling Worksheets

Reduced Density Alternative

- Weekday Project Trip Generation
- Weekend Project Trip Generation
- City of Los Angeles LADOT VMT Calculator
- CalEEMod Air Quality Worksheets - Mixed-Use Office Alternative
    - Annual Emissions
    - Winter Emissions
    - Summer Emissions

Table 7-1
PROJECT TRIP GENERATION [1]
ALTERNATIVE 3 - REDUCED DENSITY ALTERNATIVE

14-Aug-19

LAND USE	SIZE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2] IN	AM PEAK HOUR VOLUMES [2] OUT	AM PEAK HOUR VOLUMES [2] TOTAL	PM PEAK HOUR VOLUMES [2] IN	PM PEAK HOUR VOLUMES [2] OUT	PM PEAK HOUR VOLUMES [2] TOTAL
Proposed Project								
Apartments [3]	150 DU	1,098	16	53	69	53	31	84
Commercial Retail [4]	13,412 GLSF	506	8	5	13	24	27	51
Restaurant [5]	7,500 GSF	841	41	34	75	45	28	73
Subtotal		2,445	65	92	157	122	86	208
Transit Trips [7]								
Apartments (15%)		(165)	(2)	(8)	(10)	(8)	(5)	(13)
Commercial Retail (15%)		(76)	(1)	(1)	(2)	(4)	(4)	(8)
Restaurant (15%)		(126)	(6)	(5)	(11)	(7)	(4)	(11)
Subtotal		(367)	(9)	(14)	(23)	(19)	(13)	(32)
Internal Capture [8]								
Commercial Retail (10%)		(43)	(1)	0	(1)	(2)	(2)	(4)
Restaurant (10%)		(72)	(4)	(3)	(7)	(4)	(2)	(6)
Subtotal		(115)	(5)	(3)	(8)	(6)	(4)	(10)
Subtotal Project Driveway Trips		**1,963**	**51**	**75**	**126**	**97**	**69**	**166**
Existing Site								
Commercial Retail [4]	(144,963) GLSF	(5,472)	(84)	(52)	(136)	(265)	(287)	(552)
Restaurant [5]	(6,085) GSF	(683)	(33)	(27)	(60)	(37)	(22)	(59)
Subtotal		(6,155)	(117)	(79)	(196)	(302)	(309)	(611)
Existing Transit Trips [6]								
Commercial Retail (15%)		821	13	8	21	40	43	83
Restaurant (15%)		102	5	4	9	6	3	9
Subtotal		923	18	12	30	46	46	92
Subtotal Existing Driveway Trips		**(5,232)**	**(99)**	**(67)**	**(166)**	**(256)**	**(263)**	**(519)**
NET INCREASE DRIVEWAY TRIPS		**(3,269)**	**(48)**	**8**	**(40)**	**(159)**	**(194)**	**(353)**
Proposed Pass-By Trips [9]								
Commercial Retail (50%)		(194)	(3)	(2)	(5)	(9)	(11)	(20)
Restaurant (20%)		(129)	(6)	(5)	(11)	(7)	(4)	(11)
Subtotal		(323)	(9)	(7)	(16)	(16)	(15)	(31)
Existing Pass-By Trips [9]								
Commercial Retail (30%)		1,395	21	13	34	68	73	141
Restaurant (20%)		116	6	5	11	6	4	10
Subtotal		1,511	27	18	45	74	77	151
NET INCREASE "OFF-SITE" TRIPS		**(2,081)**	**(30)**	**19**	**(11)**	**(101)**	**(132)**	**(233)**

[1] Source: ITE "Trip Generation Manual", 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 220 (Multifamily Housing [Low-Rise]) trip generation average rates.
- Daily Trip Rate: 7.32 trips/dwelling units; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.46 trips/dwelling unit; 23% inbound/77% outbound
- PM Peak Hour Trip Rate: 0.56 trips/dwelling unit; 63% inbound/37% outbound
[4] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
- Daily Trip Rate: 37.75 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.94 trips/1,000 SF of leasable floor area; 62% inbound/38% outbound
- PM Peak Hour Trip Rate: 3.81 trips/1,000 SF of leasable floor area; 48% inbound/52% outbound
[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- Daily Trip Rate: 112.18 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 9.94 trips/1,000 SF of floor area; 55% inbound/45% outbound
- PM Peak Hour Trip Rate: 9.77 trips/1,000 SF of floor area; 62% inbound/38% outbound
[6] ITE Land Use Code 710 (General Office Building) trip generation average rates.
- Daily Trip Rate: 9.74 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 1.16 trips/1,000 SF of floor area; 86% inbound/14% outbound
- PM Peak Hour Trip Rate: 1.15 trips/1,000 SF of floor area; 16% inbound/84% outbound
[7] The Project site is located within 1/4 mile of a Metro Rapid bus stop. The trip reduction for transit trips has been applied to the residential and commercial components of the project based on the "LADOT Transportation Impact Study Guidelines," December 2016 for developments within a 1/4 mile walking distance of a transit station or a RapidBus stop.
[8] The internal capture reduction for the commercial and restaurant uses are based on the synergy between all the land uses provided within the project site.
[9] Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the site. The trip reduction for pass-by trips has been applied to the commercial components of the project based on the LADOT Transportation Impact Study Guidelines," December 2016 for Shopping Center less than 50,000 sf, High-Turnover Restaurant, and Shopping Center 100,000 to less than 300,000 sf.

Table 7-1
WEEKEND PROJECT TRIP GENERATION [1]
ALTERNATIVE 3 - REDUCED DENSITY ALTERNATIVE

28-Feb-20

LAND USE	SIZE	SAT DAILY TRIP ENDS [2] VOLUMES	SAT PEAK HOUR VOLUMES [2] IN	SAT PEAK HOUR VOLUMES [2] OUT	SAT PEAK HOUR VOLUMES [2] TOTAL	SUN DAILY TRIP ENDS [2] VOLUMES	SUN PEAK HOUR VOLUMES [2] IN	SUN PEAK HOUR VOLUMES [2] OUT	SUN PEAK HOUR VOLUMES [2] TOTAL
Proposed Project									
Apartments [3]	150 DU	737	32	34	66	614	37	22	59
Commercial Retail [4]	13,412 GLSF	619	31	29	60	283	18	19	37
Restaurant [5]	7,500 GSF	918	43	41	84	1,070	107	87	194
Subtotal		2,274	106	104	210	1,967	162	128	290
Transit Trips [7]									
Apartments (15%)		(111)	(5)	(5)	(10)	(92)	(6)	(3)	(9)
Commercial Retail (15%)		(93)	(5)	(4)	(9)	(42)	(3)	(3)	(6)
Restaurant (15%)		(138)	(6)	(6)	(12)	(161)	(16)	(13)	(29)
Subtotal		(342)	(16)	(15)	(31)	(295)	(25)	(19)	(44)
Internal Capture [8]									
Commercial Retail (10%)		(53)	(3)	(3)	(6)	(24)	(2)	(2)	(4)
Restaurant (10%)		(78)	(4)	(4)	(8)	(91)	(9)	(7)	(16)
Subtotal		(131)	(7)	(7)	(14)	(115)	(11)	(9)	(20)
Subtotal Project Driveway Trips		**1,801**	**83**	**82**	**165**	**1,557**	**126**	**100**	**226**
Existing Site									
Commercial Retail [4]	(144,963) GLSF	(6,686)	(339)	(313)	(652)	(3,059)	(198)	(206)	(404)
Restaurant [5]	(6,085) GSF	(745)	(35)	(33)	(68)	(868)	(86)	(71)	(157)
Subtotal		(7,431)	(374)	(346)	(720)	(3,927)	(284)	(277)	(561)
Existing Transit Trips [6]									
Commercial Retail (15%)		1,003	51	47	98	459	30	31	61
Restaurant (15%)		112	5	5	10	130	13	11	24
Subtotal		1,115	56	52	108	589	43	42	85
Subtotal Existing Driveway Trips		**(6,316)**	**(318)**	**(294)**	**(612)**	**(3,338)**	**(241)**	**(235)**	**(476)**
NET INCREASE DRIVEWAY TRIPS		**(4,515)**	**(235)**	**(212)**	**(447)**	**(1,781)**	**(115)**	**(135)**	**(250)**
Proposed Pass-By Trips [9]									
Commercial Retail (50%)		(237)	(12)	(11)	(23)	(109)	(7)	(7)	(14)
Restaurant (20%)		(140)	(7)	(6)	(13)	(164)	(16)	(13)	(29)
Subtotal		(377)	(19)	(17)	(36)	(273)	(23)	(20)	(43)
Existing Pass-By Trips [9]									
Commercial Retail (30%)		1,705	86	80	166	780	50	53	103
Restaurant (20%)		127	6	6	12	148	15	12	27
Subtotal		1,832	92	86	178	928	65	65	130
NET INCREASE "OFF-SITE" TRIPS		**(3,060)**	**(162)**	**(143)**	**(305)**	**(1,126)**	**(73)**	**(90)**	**(163)**

[1] Source: ITE "Trip Generation Manual", 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 221 (Multifamily Housing [Mid-Rise]) trip generation average rates.
- Saturday Daily Trip Rate: 4.91 trips/dwelling units; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 0.44 trips/dwelling unit; 49% inbound/51% outbound
- Sunday Daily Trip Rate: 4.09 trips/dwelling units; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 0.39 trips/dwelling unit; 62% inbound/38% outbound
[4] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
- Saturday Daily Trip Rate: 46.12 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 4.50 trips/1,000 SF of leasable floor area; 52% inbound/48% outbound
- Sunday Daily Trip Rate: 21.10 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 2.79 trips/1,000 SF of leasable floor area; 49% inbound/51% outbound
[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- Saturday Daily Trip Rate: 122.40 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 11.19 trips/1,000 SF of floor area; 51% inbound/49% outbound
- Sunday Daily Trip Rate: 142.64 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 25.83 trips/1,000 SF of floor area; 55% inbound/45% outbound
[6] ITE Land Use Code 710 (General Office Building) trip generation average rates.
- Saturday Daily Trip Rate: 2.21 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 0.53 trips/1,000 SF of floor area; 54% inbound/46% outbound
- Sunday Daily Trip Rate: 0.70 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 0.21 trips/1,000 SF of floor area; assume 58% inbound/42% outbound
[7] The Project site is located within 1/4 mile of a Metro Rapid bus stop. The trip reduction for transit trips has been applied to the residential and commercial components of the project based on the "LADOT Transportation Impact Study Guidelines," December 2016 for developments within a 1/4 mile walking distance of a transit station or a RapidBus stop.
[8] The internal capture reduction for the commercial, restaurant, and supermarket uses are based on the synergy between all the land uses provided within the project site.
[9] Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the site. The trip reduction for pass-by trips has been applied to the commercial component of the project based on the LADOT LADOT Transportation Impact Study Guidelines," December 2016 for Shopping Center less than 50,000 sf, High-Turnover Restaurant, and Shopping Center 100,000 to less than 300,000 sf.

CITY OF LOS ANGELES VMT CALCULATOR Version 1.2

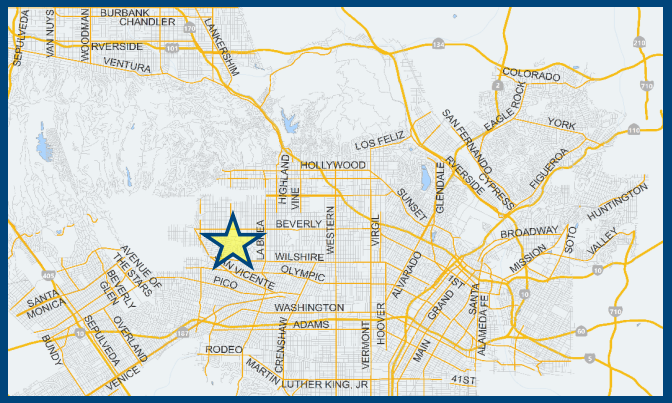
Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: 6300 W. 3rd Street Mixed-Use Project

Scenario: Alternative 3 - Reduced Density Alternative

Address: 6300 W 3RD ST, 90036



If the project is replacing an existing number of residential units with a smaller number of residential units, is the proposed project located within one-half mile of a fixed-rail or fixed-guideway transit station?

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	6.085	ksf
Retail | General Retail	144.963	ksf
Retail | High-Turnover Sit-Down Restaurant	6.085	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	7.5	ksf
Housing | Multi-Family	150	DU
Retail | General Retail	13.412	ksf
Retail | High-Turnover Sit-Down Restaurant	7.5	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
4,696 Daily Vehicle Trips	1,402 Daily Vehicle Trips
32,405 Daily VMT	9,040 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	-3,294 Net Daily Trips
The net increase in daily VMT ≤ 0	-23,365 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	20.912 ksf

The proposed project is not required to perform VMT analysis.

Measuring the Miles

2/5/2020

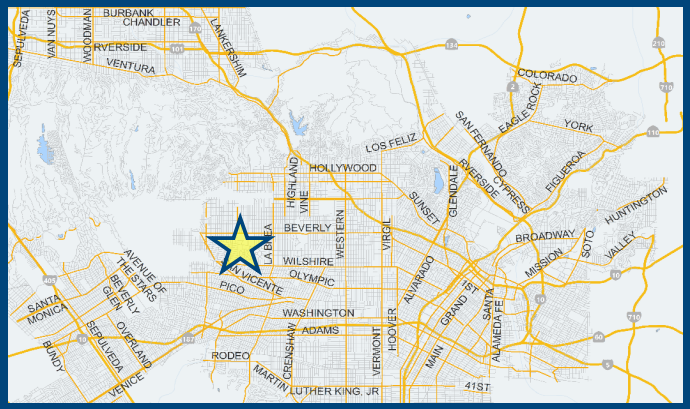
CITY OF LOS ANGELES VMT CALCULATOR Version 1.2

Project Information

Project: 6300 W. 3rd Street Mixed-Use Project

Scenario: Alternative 3 - Reduced Density Alternative

Address: 6300 W 3RD ST, 90036



Proposed Project Land Use Type	Value	Unit
Housing | Multi-Family	150	DU
Retail | General Retail	13.412	ksf
Retail | High-Turnover Sit-Down Restaurant	7.5	ksf

TDM Strategies

Select each section to show individual strategies

Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

A Parking

Reduce Parking Supply

☐ Proposed Prj ☐ Mitigation

100 city code parking provision for the project site

74 actual parking provision for the project site

Unbundle Parking

☐ Proposed Prj ☐ Mitigation

150 monthly parking cost (dollar) for the project site

Parking Cash-Out

☐ Proposed Prj ☐ Mitigation

50 percent of employees eligible

Price Workplace Parking

☐ Proposed Prj ☐ Mitigation

6.00 daily parking charge (dollar)

25 percent of employees subject to priced parking

Residential Area Parking Permits

☐ Proposed Prj ☐ Mitigation

200 cost (dollar) of annual permit

B Transit

C Education & Encouragement

D Commute Trip Reductions

E Shared Mobility

F Bicycle Infrastructure

G Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
1,402 Daily Vehicle Trips	**1,402** Daily Vehicle Trips
9,040 Daily VMT	**9,040** Daily VMT
N/A Household VMT per Capita	**N/A** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: N/A Threshold = 6.0 15% Below APC	**Household: N/A** Threshold = 6.0 15% Below APC
Work: N/A Threshold = 7.6 15% Below APC	**Work: N/A** Threshold = 7.6 15% Below APC

Measuring the Miles

2/5/2020

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 3 - Reduced Density Alternat
Project Address: 6300 W 3RD ST, 90036

Version 1.2

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	150	DU
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	*Family*	*0*	*DU*
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	General Retail	13.412	ksf
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	7.500	ksf
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	*General Office*	*0.000*	*ksf*
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternat 3 - Reduced Density Alternat
Project Address: 6300 W 3RD ST, 90036

Version 1.2

Analysis Results			
Total Employees: 57 Total Population: 338			
Proposed Project		***With Mitigation***	
1,402	**Daily Vehicle Trips**	**1,402**	**Daily Vehicle Trips**
9,040	**Daily VMT**	**9,040**	**Daily VMT**
N/A	**Household VMT per Capita**	**N/A**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average Household = 6.0 Work = 7.6			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 6.0	N/A	Household > 6.0	N/A
Work > 7.6	N/A	Work > 7.6	N/A

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	*Reduce parking supply*	*City code parking provision (spaces)*	*0*	*0*
		Actual parking provision (spaces)	*0*	*0*
	Unbundle parking	*Monthly cost for parking ($)*	*$0*	*$0*
	Parking cash-out	*Employees eligible (%)*	*0%*	*0%*
	Price workplace parking	*Daily parking charge ($)*	*$0.00*	*$0.00*
		Employees subject to priced parking (%)	*0%*	*0%*
	Residential area parking permits	*Cost of annual permit ($)*	*$0*	*$0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	*Reduce transit headways*	*Reduction in headways (increase in frequency) (%)*	*0%*	*0%*
		Existing transit mode share (as a percent of total daily trips) (%)	*0%*	*0%*
		Lines within project site improved (<50%, >=50%)	*0*	*0*
	Implement neighborhood shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees and residents eligible (%)	*0%*	*0%*
	Transit subsidies	*Employees and residents eligible (%)*	*0%*	*0%*
		Amount of transit subsidy per passenger (daily equivalent) ($)	*$0.00*	*$0.00*
Education & Encouragement	*Voluntary travel behavior change program*	*Employees and residents participating (%)*	*0%*	*0%*
	Promotions and marketing	*Employees and residents participating (%)*	*0%*	*0%*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	*Required commute trip reduction program*	*Employees participating (%)*	*0%*	*0%*
	Alternative Work Schedules and Telecommute	*Employees participating (%)*	*0%*	*0%*
		Type of program	*0*	*0*
	Employer sponsored vanpool or shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees eligible (%)	*0%*	*0%*
		Employer size (small, medium, large)	*0*	*0*
	Ride-share program	*Employees eligible (%)*	*0%*	*0%*
Shared Mobility	*Car share*	*Car share project setting (Urban, Suburban, All Other)*	*0*	*0*
	Bike share	*Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)*	*0*	*0*
	School carpool program	*Level of implementation (Low, Medium, High)*	*0*	*0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/Improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	*Meets City Bike Parking Code (Yes/No)*	*0*	*0*
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 3 - Reduced Density Alternative
Project Address: 6300 W 3RD ST, 90036

Version 1.2

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Parking cash-out	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Price workplace parking	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Residential area parking permits	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	
Transit	Reduce transit headways	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Transit subsidies	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Education & Encouragement	Voluntary travel behavior change program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Commute Trip Reductions	Required commute trip reduction program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Employer sponsored vanpool or shuttle	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Ride-share program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Shared Mobility	Car-share	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	
	School carpool program	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ Improve on-street bicycle facility	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
	Include secure bike parking and showers	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
Neighborhood Enhancement	Traffic calming improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*
MAX. TDM EFFECT	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

PLACE TYPE MAX:	*urban*	*75%*
	compact infill	*40%*
	suburban center	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,...). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 3 - Reduced Density Alternat
Project Address: 6300 W 3RD ST, 90036

Version 1.2

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	203	-38.4%	125	6.6	1,340	825
Home Based Other Production	544	-41.2%	320	5.1	2,774	1,632
Non-Home Based Other Production	263	-15.2%	223	6.9	1,815	1,539
Home-Based Work Attraction	82	-42.7%	47	8.2	672	385
Home-Based Other Attraction	703	-40.8%	416	6.9	4,851	2,870
Non-Home Based Other Attraction	318	-14.8%	271	6.6	2,099	1,789

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	0.0%	125	825	0.0%	125	825
Home Based Other Production	0.0%	320	1,632	0.0%	320	1,632
Non-Home Based Other Production	0.0%	223	1,539	0.0%	223	1,539
Home-Based Work Attraction	0.0%	47	385	0.0%	47	385
Home-Based Other Attraction	0.0%	416	2,870	0.0%	416	2,870
Non-Home Based Other Attraction	0.0%	271	1,789	0.0%	271	1,789

MXD VMT Methodology Per Capita & Per Employee

Total Population: 338
Total Employees: 57
APC: Central

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**2,457**	**2,457**
Total Home Based Work Attraction VMT	**385**	**385**
Total Home Based VMT Per Capita	**N/A**	**N/A**
Total Work Based VMT Per Employee	**N/A**	**N/A**

Reduced Density Alternative

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Parking Lot	129.00	Space	1.16	51,600.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Condo/Townhouse	150.00	Dwelling Unit	2.00	375,000.00	363
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Reduced Density Alternative - South Coast Air Basin, Annual

Project Characteristics -

Construction Phase - Construction phasing based on Applicant data.

Off-road Equipment - Off Road equipment per Applicant data and assumptions.

Trips and VMT - Demolition debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10cy haul capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of bldg volume = 13,986 cy/16 cy hauling capacity)

Demolition - Demo phase includes 151,048 sf of bldg debris (x0.046 =6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy - 1,560 tons)

Grading - Pre-Demo Abatement assumes 50 cy of C&D export. Grading assumes 3,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT calculator - see attached assumptions and data input modificiation sheet.

Woodstoves - No fireplaces or woodstoves are proposed

Sequestration - Sequestration includes 38 trees per LAMC requirements.

Construction Off-road Equipment Mitigation - Mitigation scenario represents compliance with applicable laws and regulations. Compliance with AQMD Rule 403 (Dust Suppression) with a watering frequency of 3X a day = a 61% reduction in fugitive dust.

Area Mitigation - Application of low VOC architectural coatings per LA Green Builidng Code.

Energy Mitigation - Energy Star-Rated appliances required per LA Green Building Code.

Water Mitigation - Water Conservation measures are mandatory per LA Green Builidng Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	464.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	44.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	15.00	150.00
tblFireplaces	NumberWood	7.50	0.00

tblGrading	AcresOfGrading	22.00	3.15
tblGrading	MaterialExported	0.00	3,000.00
tblLandUse	LandUseSquareFeet	150,000.00	375,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	9.38	2.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	Population	429.00	363.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblSequestration	NumberOfNewTrees	0.00	38.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblVehicleTrips	CC_TL	8.40	6.45
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	5.67	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	1,286.00
tblVehicleTrips	ST_TR	0.00	377.00
tblVehicleTrips	SU_TR	4.84	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00

tblVehicleTrips	SU_TR	0.00	1,112.00
tblVehicleTrips	SU_TR	0.00	273.00
tblVehicleTrips	WD_TR	5.81	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	1,402.00
tblVehicleTrips	WD_TR	0.00	323.00
tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3314	3.1390	2.6328	6.0400e-003	0.3554	0.1387	0.4941	0.1217	0.1301	0.2519	0.0000	539.0034	539.0034	0.0954	0.0000	541.3886
2022	0.3427	2.7306	3.1783	6.9100e-003	0.2183	0.1235	0.3418	0.0585	0.1171	0.1757	0.0000	610.7551	610.7551	0.0852	0.0000	612.8854
2023	1.4094	0.9913	1.3551	2.7700e-003	0.0780	0.0438	0.1217	0.0209	0.0419	0.0628	0.0000	243.9139	243.9139	0.0340	0.0000	244.7628
Maximum	**1.4094**	**3.1390**	**3.1783**	**6.9100e-003**	**0.3554**	**0.1387**	**0.4941**	**0.1217**	**0.1301**	**0.2519**	**0.0000**	**610.7551**	**610.7551**	**0.0954**	**0.0000**	**612.8854**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3314	3.1390	2.6327	6.0400e-003	0.2180	0.1387	0.3567	0.0688	0.1301	0.1989	0.0000	539.0030	539.0030	0.0954	0.0000	541.3882
2022	0.3427	2.7306	3.1783	6.9100e-003	0.2183	0.1235	0.3418	0.0585	0.1171	0.1757	0.0000	610.7547	610.7547	0.0852	0.0000	612.8850
2023	1.4094	0.9913	1.3551	2.7700e-003	0.0780	0.0438	0.1217	0.0209	0.0419	0.0628	0.0000	243.9137	243.9137	0.0340	0.0000	244.7626
Maximum	**1.4094**	**3.1390**	**3.1783**	**6.9100e-003**	**0.2183**	**0.1387**	**0.3567**	**0.0688**	**0.1301**	**0.1989**	**0.0000**	**610.7547**	**610.7547**	**0.0954**	**0.0000**	**612.8850**

Reduced Density Alternative - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**21.09**	**0.00**	**14.35**	**26.33**	**0.00**	**10.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-15-2021**	**5-14-2021**	1.1320	1.1320
2	**5-15-2021**	**8-14-2021**	1.0310	1.0310
3	**8-15-2021**	**11-14-2021**	0.8552	0.8552
4	**11-15-2021**	**2-14-2022**	0.8177	0.8177
5	**2-15-2022**	**5-14-2022**	0.7503	0.7503
6	**5-15-2022**	**8-14-2022**	0.7742	0.7742
7	**8-15-2022**	**11-14-2022**	0.7755	0.7755
8	**11-15-2022**	**2-14-2023**	0.7406	0.7406
9	**2-15-2023**	**5-14-2023**	0.8101	0.8101
10	**5-15-2023**	**8-14-2023**	1.1484	1.1484
11	**8-15-2023**	**9-30-2023**	0.0881	0.0881
		Highest	1.1484	1.1484

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6085	0.0179	1.5492	8.0000e-005		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	2.5306	2.5306	2.4400e-003	0.0000	2.5916
Energy	0.0242	0.2121	0.1259	1.3200e-003		0.0167	0.0167		0.0167	0.0167	0.0000	951.2226	951.2226	0.0214	7.8700e-003	954.1030
Mobile	0.3578	1.6012	3.9301	0.0143	1.2029	0.0106	1.2135	0.3223	9.8300e-003	0.3321	0.0000	1,320.0000	1,320.0000	0.0646	0.0000	1,321.6144
Stationary	9.8500e-003	0.0440	0.0251	5.0000e-005		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	4.5696	4.5696	6.4000e-004	0.0000	4.5856
Waste						0.0000	0.0000		0.0000	0.0000	34.9814	0.0000	34.9814	2.0673	0.0000	86.6650
Water						0.0000	0.0000		0.0000	0.0000	4.1379	137.3813	141.5192	0.4283	0.0107	155.4160
Total	**2.0003**	**1.8752**	**5.6302**	**0.0157**	**1.2029**	**0.0373**	**1.2402**	**0.3223**	**0.0366**	**0.3589**	**39.1194**	**2,415.7040**	**2,454.8234**	**2.5847**	**0.0186**	**2,524.9756**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6085	0.0179	1.5492	8.0000e-005		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	2.5306	2.5306	2.4400e-003	0.0000	2.5916
Energy	0.0242	0.2121	0.1259	1.3200e-003		0.0167	0.0167		0.0167	0.0167	0.0000	940.2268	940.2268	0.0211	7.8200e-003	943.0848
Mobile	0.3578	1.6012	3.9301	0.0143	1.2029	0.0106	1.2135	0.3223	9.8300e-003	0.3321	0.0000	1,320.0000	1,320.0000	0.0646	0.0000	1,321.6144
Stationary	9.8500e-003	0.0440	0.0251	5.0000e-005		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	4.5696	4.5696	6.4000e-004	0.0000	4.5856
Waste						0.0000	0.0000		0.0000	0.0000	8.7454	0.0000	8.7454	0.5168	0.0000	21.6663
Water						0.0000	0.0000		0.0000	0.0000	3.3103	115.8531	119.1634	0.3427	8.5900e-003	130.2930
Total	**2.0003**	**1.8752**	**5.6302**	**0.0157**	**1.2029**	**0.0373**	**1.2402**	**0.3223**	**0.0366**	**0.3589**	**12.0557**	**2,383.1800**	**2,395.2357**	**0.9484**	**0.0164**	**2,423.8356**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**69.18**	**1.35**	**2.43**	**63.31**	**11.68**	**4.01**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	26.9040
Vegetation Land Change	0.0000
Total	**26.9040**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demo-Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/5/2021	5/5/2021	5	44	
3	Grading	Grading	5/6/2021	7/6/2021	5	44	
4	Building Construction	Building Construction	7/7/2021	4/17/2023	5	464	
5	Architectural Coating	Architectural Coating	4/18/2023	8/17/2023	5	88	
6	Paving	Paving	8/18/2023	8/31/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.15

Acres of Paving: 1.16

Residential Indoor: 759,375; Residential Outdoor: 253,125; Non-Residential Indoor: 31,368; Non-Residential Outdoor: 10,456; Striped Parking Area: 3,096 (Architectural Coating – sqft)

OffRoad Equipment

Reduced Density Alternative - South Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demo-Abatement	Forklifts	1	8.00	89	0.20
Pre-Demo-Abatement	Generator Sets	2	8.00	84	0.74
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demo-Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	375.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	137.00	28.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demo-Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0563	0.0640	1.1000e-004		3.1400e-003	3.1400e-003		3.0900e-003	3.0900e-003	0.0000	9.4853	9.4853	7.6000e-004	0.0000	9.5043
Total	**6.3300e-003**	**0.0563**	**0.0640**	**1.1000e-004**	**0.0000**	**3.1400e-003**	**3.1400e-003**	**0.0000**	**3.0900e-003**	**3.0900e-003**	**0.0000**	**9.4853**	**9.4853**	**7.6000e-004**	**0.0000**	**9.5043**

3.2 Pre-Demo-Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5100e-003	3.4000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4407	0.4407	3.0000e-005	0.0000	0.4415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.9000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5740	0.5740	2.0000e-005	0.0000	0.5744
Total	**2.9000e-004**	**1.7000e-003**	**2.4300e-003**	**1.0000e-005**	**7.6000e-004**	**0.0000**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**1.0147**	**1.0147**	**5.0000e-005**	**0.0000**	**1.0159**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0563	0.0640	1.1000e-004		3.1400e-003	3.1400e-003		3.0900e-003	3.0900e-003	0.0000	9.4853	9.4853	7.6000e-004	0.0000	9.5042
Total	**6.3300e-003**	**0.0563**	**0.0640**	**1.1000e-004**	**0.0000**	**3.1400e-003**	**3.1400e-003**	**0.0000**	**3.0900e-003**	**3.0900e-003**	**0.0000**	**9.4853**	**9.4853**	**7.6000e-004**	**0.0000**	**9.5042**

3.2 Pre-Demo-Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.5100e-003	3.4000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4407	0.4407	3.0000e-005	0.0000	0.4415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.9000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5740	0.5740	2.0000e-005	0.0000	0.5744
Total	**2.9000e-004**	**1.7000e-003**	**2.4300e-003**	**1.0000e-005**	**7.6000e-004**	**0.0000**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**1.0147**	**1.0147**	**5.0000e-005**	**0.0000**	**1.0159**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0910	0.0000	0.0910	0.0138	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8017	74.8017	0.0211	0.0000	75.3281
Total	**0.0696**	**0.6917**	**0.4744**	**8.5000e-004**	**0.0910**	**0.0341**	**0.1252**	**0.0138**	**0.0317**	**0.0455**	**0.0000**	**74.8017**	**74.8017**	**0.0211**	**0.0000**	**75.3281**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9800e-003	0.1888	0.0383	4.6000e-004	9.5000e-003	4.7000e-004	9.9700e-003	2.6100e-003	4.5000e-004	3.0600e-003	0.0000	45.7673	45.7673	3.7200e-003	0.0000	45.8602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	**6.3500e-003**	**0.1899**	**0.0498**	**4.9000e-004**	**0.0131**	**5.0000e-004**	**0.0136**	**3.5700e-003**	**4.8000e-004**	**4.0500e-003**	**0.0000**	**48.9242**	**48.9242**	**3.8000e-003**	**0.0000**	**49.0193**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0355	0.0000	0.0355	5.3800e-003	0.0000	5.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8016	74.8016	0.0211	0.0000	75.3280
Total	**0.0696**	**0.6917**	**0.4744**	**8.5000e-004**	**0.0355**	**0.0341**	**0.0696**	**5.3800e-003**	**0.0317**	**0.0371**	**0.0000**	**74.8016**	**74.8016**	**0.0211**	**0.0000**	**75.3280**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9800e-003	0.1888	0.0383	4.6000e-004	9.5000e-003	4.7000e-004	9.9700e-003	2.6100e-003	4.5000e-004	3.0600e-003	0.0000	45.7673	45.7673	3.7200e-003	0.0000	45.8602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	**6.3500e-003**	**0.1899**	**0.0498**	**4.9000e-004**	**0.0131**	**5.0000e-004**	**0.0136**	**3.5700e-003**	**4.8000e-004**	**4.0500e-003**	**0.0000**	**48.9242**	**48.9242**	**3.8000e-003**	**0.0000**	**49.0193**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1343	0.0000	0.1343	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0603	0.6578	0.4095	9.1000e-004		0.0292	0.0292		0.0268	0.0268	0.0000	80.0297	80.0297	0.0259	0.0000	80.6768
Total	**0.0603**	**0.6578**	**0.4095**	**9.1000e-004**	**0.1343**	**0.0292**	**0.1635**	**0.0730**	**0.0268**	**0.0999**	**0.0000**	**80.0297**	**80.0297**	**0.0259**	**0.0000**	**80.6768**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6700e-003	0.0568	0.0128	1.7000e-004	3.8700e-003	1.8000e-004	4.0500e-003	1.0600e-003	1.7000e-004	1.2300e-003	0.0000	16.5266	16.5266	1.1600e-003	0.0000	16.5555
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8300e-003	1.3600e-003	0.0154	5.0000e-005	4.8300e-003	4.0000e-005	4.8600e-003	1.2800e-003	3.0000e-005	1.3200e-003	0.0000	4.2093	4.2093	1.1000e-004	0.0000	4.2121
Total	**3.5000e-003**	**0.0581**	**0.0281**	**2.2000e-004**	**8.7000e-003**	**2.2000e-004**	**8.9100e-003**	**2.3400e-003**	**2.0000e-004**	**2.5500e-003**	**0.0000**	**20.7358**	**20.7358**	**1.2700e-003**	**0.0000**	**20.7676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0524	0.0000	0.0524	0.0285	0.0000	0.0285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0603	0.6578	0.4095	9.1000e-004		0.0292	0.0292		0.0268	0.0268	0.0000	80.0297	80.0297	0.0259	0.0000	80.6767
Total	**0.0603**	**0.6578**	**0.4095**	**9.1000e-004**	**0.0524**	**0.0292**	**0.0816**	**0.0285**	**0.0268**	**0.0553**	**0.0000**	**80.0297**	**80.0297**	**0.0259**	**0.0000**	**80.6767**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6700e-003	0.0568	0.0128	1.7000e-004	3.8700e-003	1.8000e-004	4.0500e-003	1.0600e-003	1.7000e-004	1.2300e-003	0.0000	16.5266	16.5266	1.1600e-003	0.0000	16.5555
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8300e-003	1.3600e-003	0.0154	5.0000e-005	4.8300e-003	4.0000e-005	4.8600e-003	1.2800e-003	3.0000e-005	1.3200e-003	0.0000	4.2093	4.2093	1.1000e-004	0.0000	4.2121
Total	**3.5000e-003**	**0.0581**	**0.0281**	**2.2000e-004**	**8.7000e-003**	**2.2000e-004**	**8.9100e-003**	**2.3400e-003**	**2.0000e-004**	**2.5500e-003**	**0.0000**	**20.7358**	**20.7358**	**1.2700e-003**	**0.0000**	**20.7676**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1434	1.2821	1.2544	2.0600e-003		0.0705	0.0705		0.0668	0.0668	0.0000	176.6217	176.6217	0.0375	0.0000	177.5600
Total	**0.1434**	**1.2821**	**1.2544**	**2.0600e-003**		**0.0705**	**0.0705**		**0.0668**	**0.0668**	**0.0000**	**176.6217**	**176.6217**	**0.0375**	**0.0000**	**177.5600**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1500e-003	0.1743	0.0441	4.5000e-004	0.0113	3.6000e-004	0.0117	3.2600e-003	3.4000e-004	3.6000e-003	0.0000	43.5109	43.5109	2.8000e-003	0.0000	43.5811
Worker	0.0364	0.0271	0.3060	9.3000e-004	0.0962	7.3000e-004	0.0969	0.0256	6.7000e-004	0.0262	0.0000	83.8793	83.8793	2.2600e-003	0.0000	83.9357
Total	**0.0416**	**0.2014**	**0.3501**	**1.3800e-003**	**0.1075**	**1.0900e-003**	**0.1086**	**0.0288**	**1.0100e-003**	**0.0298**	**0.0000**	**127.3902**	**127.3902**	**5.0600e-003**	**0.0000**	**127.5167**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1434	1.2821	1.2544	2.0600e-003		0.0705	0.0705		0.0668	0.0668	0.0000	176.6215	176.6215	0.0375	0.0000	177.5598
Total	**0.1434**	**1.2821**	**1.2544**	**2.0600e-003**		**0.0705**	**0.0705**		**0.0668**	**0.0668**	**0.0000**	**176.6215**	**176.6215**	**0.0375**	**0.0000**	**177.5598**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1500e-003	0.1743	0.0441	4.5000e-004	0.0113	3.6000e-004	0.0117	3.2600e-003	3.4000e-004	3.6000e-003	0.0000	43.5109	43.5109	2.8000e-003	0.0000	43.5811
Worker	0.0364	0.0271	0.3060	9.3000e-004	0.0962	7.3000e-004	0.0969	0.0256	6.7000e-004	0.0262	0.0000	83.8793	83.8793	2.2600e-003	0.0000	83.9357
Total	**0.0416**	**0.2014**	**0.3501**	**1.3800e-003**	**0.1075**	**1.0900e-003**	**0.1086**	**0.0288**	**1.0100e-003**	**0.0298**	**0.0000**	**127.3902**	**127.3902**	**5.0600e-003**	**0.0000**	**127.5167**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8772	358.8772	0.0756	0.0000	360.7665
Total	**0.2634**	**2.3450**	**2.5196**	**4.1900e-003**		**0.1214**	**0.1214**		**0.1152**	**0.1152**	**0.0000**	**358.8772**	**358.8772**	**0.0756**	**0.0000**	**360.7665**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8200e-003	0.3360	0.0847	9.0000e-004	0.0229	6.3000e-004	0.0236	6.6200e-003	6.0000e-004	7.2200e-003	0.0000	87.6009	87.6009	5.5000e-003	0.0000	87.7383
Worker	0.0695	0.0496	0.5740	1.8200e-003	0.1954	1.4300e-003	0.1968	0.0519	1.3200e-003	0.0532	0.0000	164.2771	164.2771	4.1400e-003	0.0000	164.3806
Total	**0.0793**	**0.3856**	**0.6587**	**2.7200e-003**	**0.2183**	**2.0600e-003**	**0.2204**	**0.0585**	**1.9200e-003**	**0.0604**	**0.0000**	**251.8779**	**251.8779**	**9.6400e-003**	**0.0000**	**252.1190**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8768	358.8768	0.0756	0.0000	360.7660
Total	**0.2634**	**2.3450**	**2.5196**	**4.1900e-003**		**0.1214**	**0.1214**		**0.1152**	**0.1152**	**0.0000**	**358.8768**	**358.8768**	**0.0756**	**0.0000**	**360.7660**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8200e-003	0.3360	0.0847	9.0000e-004	0.0229	6.3000e-004	0.0236	6.6200e-003	6.0000e-004	7.2200e-003	0.0000	87.6009	87.6009	5.5000e-003	0.0000	87.7383
Worker	0.0695	0.0496	0.5740	1.8200e-003	0.1954	1.4300e-003	0.1968	0.0519	1.3200e-003	0.0532	0.0000	164.2771	164.2771	4.1400e-003	0.0000	164.3806
Total	**0.0793**	**0.3856**	**0.6587**	**2.7200e-003**	**0.2183**	**2.0600e-003**	**0.2204**	**0.0585**	**1.9200e-003**	**0.0604**	**0.0000**	**251.8779**	**251.8779**	**9.6400e-003**	**0.0000**	**252.1190**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0712	0.6325	0.7318	1.2300e-003		0.0307	0.0307		0.0292	0.0292	0.0000	104.9328	104.9328	0.0219	0.0000	105.4795
Total	**0.0712**	**0.6325**	**0.7318**	**1.2300e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**104.9328**	**104.9328**	**0.0219**	**0.0000**	**105.4795**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1300e-003	0.0737	0.0222	2.6000e-004	6.7100e-003	9.0000e-005	6.7900e-003	1.9300e-003	8.0000e-005	2.0200e-003	0.0000	24.8159	24.8159	1.4200e-003	0.0000	24.8513
Worker	0.0191	0.0131	0.1547	5.1000e-004	0.0571	4.1000e-004	0.0575	0.0152	3.8000e-004	0.0155	0.0000	46.2302	46.2302	1.0900e-003	0.0000	46.2575
Total	**0.0213**	**0.0868**	**0.1769**	**7.7000e-004**	**0.0638**	**5.0000e-004**	**0.0643**	**0.0171**	**4.6000e-004**	**0.0176**	**0.0000**	**71.0461**	**71.0461**	**2.5100e-003**	**0.0000**	**71.1088**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0712	0.6325	0.7318	1.2300e-003		0.0307	0.0307		0.0292	0.0292	0.0000	104.9327	104.9327	0.0219	0.0000	105.4794
Total	**0.0712**	**0.6325**	**0.7318**	**1.2300e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**104.9327**	**104.9327**	**0.0219**	**0.0000**	**105.4794**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1300e-003	0.0737	0.0222	2.6000e-004	6.7100e-003	9.0000e-005	6.7900e-003	1.9300e-003	8.0000e-005	2.0200e-003	0.0000	24.8159	24.8159	1.4200e-003	0.0000	24.8513
Worker	0.0191	0.0131	0.1547	5.1000e-004	0.0571	4.1000e-004	0.0575	0.0152	3.8000e-004	0.0155	0.0000	46.2302	46.2302	1.0900e-003	0.0000	46.2575
Total	**0.0213**	**0.0868**	**0.1769**	**7.7000e-004**	**0.0638**	**5.0000e-004**	**0.0643**	**0.0171**	**4.6000e-004**	**0.0176**	**0.0000**	**71.0461**	**71.0461**	**2.5100e-003**	**0.0000**	**71.1088**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2773					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3081	48.3081	6.7400e-003	0.0000	48.4766
Total	**1.3061**	**0.2248**	**0.3472**	**5.6000e-004**		**0.0103**	**0.0103**		**0.0102**	**0.0102**	**0.0000**	**48.3081**	**48.3081**	**6.7400e-003**	**0.0000**	**48.4766**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3700e-003	2.9900e-003	0.0353	1.2000e-004	0.0130	9.0000e-005	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	10.5497	10.5497	2.5000e-004	0.0000	10.5559
Total	**4.3700e-003**	**2.9900e-003**	**0.0353**	**1.2000e-004**	**0.0130**	**9.0000e-005**	**0.0131**	**3.4600e-003**	**9.0000e-005**	**3.5500e-003**	**0.0000**	**10.5497**	**10.5497**	**2.5000e-004**	**0.0000**	**10.5559**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2773					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3080	48.3080	6.7400e-003	0.0000	48.4765
Total	**1.3061**	**0.2248**	**0.3472**	**5.6000e-004**		**0.0103**	**0.0103**		**0.0102**	**0.0102**	**0.0000**	**48.3080**	**48.3080**	**6.7400e-003**	**0.0000**	**48.4765**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3700e-003	2.9900e-003	0.0353	1.2000e-004	0.0130	9.0000e-005	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	10.5497	10.5497	2.5000e-004	0.0000	10.5559
Total	**4.3700e-003**	**2.9900e-003**	**0.0353**	**1.2000e-004**	**0.0130**	**9.0000e-005**	**0.0131**	**3.4600e-003**	**9.0000e-005**	**3.5500e-003**	**0.0000**	**10.5497**	**10.5497**	**2.5000e-004**	**0.0000**	**10.5559**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536
Paving	1.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.1100e-003**	**0.0440**	**0.0610**	**9.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**8.1893**	**8.1893**	**2.5700e-003**	**0.0000**	**8.2536**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8880	0.8880	2.0000e-005	0.0000	0.8885
Total	**3.7000e-004**	**2.5000e-004**	**2.9700e-003**	**1.0000e-005**	**1.1000e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.8880**	**0.8880**	**2.0000e-005**	**0.0000**	**0.8885**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536
Paving	1.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.1100e-003**	**0.0440**	**0.0610**	**9.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**8.1893**	**8.1893**	**2.5700e-003**	**0.0000**	**8.2536**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8880	0.8880	2.0000e-005	0.0000	0.8885
Total	**3.7000e-004**	**2.5000e-004**	**2.9700e-003**	**1.0000e-005**	**1.1000e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.8880**	**0.8880**	**2.0000e-005**	**0.0000**	**0.8885**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3578	1.6012	3.9301	0.0143	1.2029	0.0106	1.2135	0.3223	9.8300e-003	0.3321	0.0000	1,320.0000	1,320.0000	0.0646	0.0000	1,321.6144
Unmitigated	0.3578	1.6012	3.9301	0.0143	1.2029	0.0106	1.2135	0.3223	9.8300e-003	0.3321	0.0000	1,320.0000	1,320.0000	0.0646	0.0000	1,321.6144

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	1,402.00	1,286.00	1112.00	3,155,443	3,155,443
User Defined Parking	323.00	377.00	273.00	11,778	11,778
Total	1,725.00	1,663.00	1,385.00	3,167,221	3,167,221

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.45	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
High Turnover (Sit Down Restaurant)	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Regional Shopping Center	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
User Defined Commercial	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
User Defined Parking	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Reduced Density Alternative - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	700.5688	700.5688	0.0166	3.4200e-003	702.0026
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	711.5646	711.5646	0.0168	3.4800e-003	713.0209
NaturalGas Mitigated	0.0242	0.2121	0.1259	1.3200e-003		0.0167	0.0167		0.0167	0.0167	0.0000	239.6580	239.6580	4.5900e-003	4.3900e-003	241.0821
NaturalGas Unmitigated	0.0242	0.2121	0.1259	1.3200e-003		0.0167	0.0167		0.0167	0.0167	0.0000	239.6580	239.6580	4.5900e-003	4.3900e-003	241.0821

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	2.73833e+006	0.0148	0.1262	0.0537	8.1000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	146.1275	146.1275	2.8000e-003	2.6800e-003	146.9958
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0242**	**0.2121**	**0.1259**	**1.3300e-003**		**0.0167**	**0.0167**		**0.0167**	**0.0167**	**0.0000**	**239.6580**	**239.6580**	**4.5900e-003**	**4.3900e-003**	**241.0821**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	2.73833e+006	0.0148	0.1262	0.0537	8.1000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	146.1275	146.1275	2.8000e-003	2.6800e-003	146.9958
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0242**	**0.2121**	**0.1259**	**1.3300e-003**		**0.0167**	**0.0167**		**0.0167**	**0.0167**	**0.0000**	**239.6580**	**239.6580**	**4.5900e-003**	**4.3900e-003**	**241.0821**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	747411	416.2792	9.8300e-003	2.0300e-003	417.1311
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Parking Lot	18060	10.0587	2.4000e-004	5.0000e-005	10.0793
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**711.5646**	**0.0168**	**3.4700e-003**	**713.0209**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	727669	405.2834	9.5700e-003	1.9800e-003	406.1129
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Parking Lot	18060	10.0587	2.4000e-004	5.0000e-005	10.0793
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**700.5688**	**0.0165**	**3.4200e-003**	**702.0026**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.6085	0.0179	1.5492	8.0000e-005		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	2.5306	2.5306	2.4400e-003	0.0000	2.5916
Unmitigated	1.6085	0.0179	1.5492	8.0000e-005		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	2.5306	2.5306	2.4400e-003	0.0000	2.5916

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1277					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4340					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0468	0.0179	1.5492	8.0000e-005		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	2.5306	2.5306	2.4400e-003	0.0000	2.5916
Total	**1.6085**	**0.0179**	**1.5492**	**8.0000e-005**		**8.5700e-003**	**8.5700e-003**		**8.5700e-003**	**8.5700e-003**	**0.0000**	**2.5306**	**2.5306**	**2.4400e-003**	**0.0000**	**2.5916**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1277					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4340					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0468	0.0179	1.5492	8.0000e-005		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	2.5306	2.5306	2.4400e-003	0.0000	2.5916
Total	**1.6085**	**0.0179**	**1.5492**	**8.0000e-005**		**8.5700e-003**	**8.5700e-003**		**8.5700e-003**	**8.5700e-003**	**0.0000**	**2.5306**	**2.5306**	**2.4400e-003**	**0.0000**	**2.5916**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Reduced Density Alternative - South Coast Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	119.1634	0.3427	8.5900e-003	130.2930
Unmitigated	141.5192	0.4283	0.0107	155.4160

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	9.7731 / 6.1613	112.1022	0.3210	8.0500e-003	122.5275
High Turnover (Sit Down Restaurant)	2.2765 / 0.145309	18.1310	0.0746	1.8400e-003	20.5431
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.993313 / 0.608804	11.2860	0.0326	8.2000e-004	12.3454
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**141.5192**	**0.4283**	**0.0107**	**155.4160**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	7.81848 / 5.78547	94.9812	0.2570	6.4700e-003	103.3323
High Turnover (Sit Down Restaurant)	1.8212 / 0.136445	14.6298	0.0597	1.4700e-003	16.5597
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.79465 / 0.571667	9.5525	0.0261	6.6000e-004	10.4010
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**119.1634**	**0.3427**	**8.6000e-003**	**130.2930**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.7454	0.5168	0.0000	21.6663
Unmitigated	34.9814	2.0673	0.0000	86.6650

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	69	14.0064	0.8278	0.0000	34.7002
High Turnover (Sit Down Restaurant)	89.25	18.1169	1.0707	0.0000	44.8840
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.08	2.8581	0.1689	0.0000	7.0809
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**34.9814**	**2.0673**	**0.0000**	**86.6650**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	17.25	3.5016	0.2069	0.0000	8.6751
High Turnover (Sit Down Restaurant)	22.3125	4.5292	0.2677	0.0000	11.2210
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.52	0.7145	0.0422	0.0000	1.7702
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**8.7454**	**0.5168**	**0.0000**	**21.6663**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	9.8500e-003	0.0440	0.0251	5.0000e-005		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	4.5696	4.5696	6.4000e-004	0.0000	4.5856
Total	**9.8500e-003**	**0.0440**	**0.0251**	**5.0000e-005**		**1.4500e-003**	**1.4500e-003**		**1.4500e-003**	**1.4500e-003**	**0.0000**	**4.5696**	**4.5696**	**6.4000e-004**	**0.0000**	**4.5856**

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	26.9040	0.0000	0.0000	26.9040

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Others	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	38	26.9040	0.0000	0.0000	26.9040
Total		**26.9040**	**0.0000**	**0.0000**	**26.9040**

Reduced Density Alternative

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Parking Lot	129.00	Space	1.16	51,600.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Condo/Townhouse	150.00	Dwelling Unit	2.00	375,000.00	363
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Reduced Density Alternative - South Coast Air Basin, Winter

Project Characteristics -

Construction Phase - Construction phasing based on Applicant data.

Off-road Equipment - Off Road equipment per Applicant data and assumptions.

Trips and VMT - Demolition debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10cy haul capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of bldg volume = 13,986 cy/16 cy hauling capacity)

Demolition - Demo phase includes 151,048 sf of bldg debris (x0.046 =6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy - 1,560 tons)

Grading - Pre-Demo Abatement assumes 50 cy of C&D export. Grading assumes 3,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT calculator - see attached assumptions and data input modificiation sheet.

Woodstoves - No fireplaces or woodstoves are proposed

Sequestration - Sequestration includes 38 trees per LAMC requirements.

Construction Off-road Equipment Mitigation - Mitigation scenario represents compliance with applicable laws and regulations. Compliance with AQMD Rule 403 (Dust Suppression) with a watering frequency of 3X a day = a 61% reduction in fugitive dust.

Area Mitigation - Application of low VOC architectural coatings per LA Green Builidng Code.

Energy Mitigation - Energy Star-Rated appliances required per LA Green Building Code.

Water Mitigation - Water Conservation measures are mandatory per LA Green Builidng Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	464.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	44.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	15.00	150.00
tblFireplaces	NumberWood	7.50	0.00

tblGrading	AcresOfGrading	22.00	3.15
tblGrading	MaterialExported	0.00	3,000.00
tblLandUse	LandUseSquareFeet	150,000.00	375,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	9.38	2.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	Population	429.00	363.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblSequestration	NumberOfNewTrees	0.00	38.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblVehicleTrips	CC_TL	8.40	6.45
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	5.67	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	1,286.00
tblVehicleTrips	ST_TR	0.00	377.00
tblVehicleTrips	SU_TR	4.84	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00

tblVehicleTrips	SU_TR	0.00	1,112.00
tblVehicleTrips	SU_TR	0.00	273.00
tblVehicleTrips	WD_TR	5.81	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	1,402.00
tblVehicleTrips	WD_TR	0.00	323.00
tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.3526	47.6349	32.7664	0.0773	6.5079	1.9946	7.8431	3.4278	1.8766	4.6565	0.0000	7,700.3409	7,700.3409	1.3693	0.0000	7,734.5744
2022	2.6979	20.9488	24.3655	0.0528	1.7105	0.9501	2.6606	0.4577	0.9012	1.3589	0.0000	5,145.2368	5,145.2368	0.7237	0.0000	5,163.3286
2023	29.7937	18.8905	23.8265	0.0521	1.7105	0.8215	2.5320	0.4577	0.7792	1.2369	0.0000	5,072.6541	5,072.6541	0.7079	0.0000	5,090.3520
Maximum	**29.7937**	**47.6349**	**32.7664**	**0.0773**	**6.5079**	**1.9946**	**7.8431**	**3.4278**	**1.8766**	**4.6565**	**0.0000**	**7,700.3409**	**7,700.3409**	**1.3693**	**0.0000**	**7,734.5744**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.3526	47.6349	32.7664	0.0773	2.7834	1.9946	4.3182	1.4029	1.8766	2.6316	0.0000	7,700.3409	7,700.3409	1.3693	0.0000	7,734.5744
2022	2.6979	20.9488	24.3655	0.0528	1.7105	0.9501	2.6606	0.4577	0.9012	1.3589	0.0000	5,145.2368	5,145.2368	0.7237	0.0000	5,163.3286
2023	29.7937	18.8905	23.8265	0.0521	1.7105	0.8215	2.5320	0.4577	0.7792	1.2369	0.0000	5,072.6541	5,072.6541	0.7079	0.0000	5,090.3520
Maximum	**29.7937**	**47.6349**	**32.7664**	**0.0773**	**2.7834**	**1.9946**	**4.3182**	**1.4029**	**1.8766**	**2.6316**	**0.0000**	**7,700.3409**	**7,700.3409**	**1.3693**	**0.0000**	**7,734.5744**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**37.51**	**0.00**	**27.04**	**46.62**	**0.00**	**27.92**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540
Energy	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510
Mobile	2.1527	9.1598	22.4566	0.0807	7.0251	0.0612	7.0863	1.8794	0.0569	1.9362		8,235.9764	8,235.9764	0.4149		8,246.3492
Stationary	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**12.0376**	**14.1341**	**37.6319**	**0.0926**	**7.0251**	**0.3421**	**7.3673**	**1.8794**	**0.3378**	**2.2172**	**0.0000**	**10,125.5986**	**10,125.5986**	**0.5230**	**0.0265**	**10,146.5825**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540
Energy	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510
Mobile	2.1527	9.1598	22.4566	0.0807	7.0251	0.0612	7.0863	1.8794	0.0569	1.9362		8,235.9764	8,235.9764	0.4149		8,246.3492
Stationary	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**12.0376**	**14.1341**	**37.6319**	**0.0926**	**7.0251**	**0.3421**	**7.3673**	**1.8794**	**0.3378**	**2.2172**	**0.0000**	**10,125.5986**	**10,125.5986**	**0.5230**	**0.0265**	**10,146.5825**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Reduced Density Alternative - South Coast Air Basin, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demo-Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/5/2021	5/5/2021	5	44	
3	Grading	Grading	5/6/2021	7/6/2021	5	44	
4	Building Construction	Building Construction	7/7/2021	4/17/2023	5	464	
5	Architectural Coating	Architectural Coating	4/18/2023	8/17/2023	5	88	
6	Paving	Paving	8/18/2023	8/31/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.15

Acres of Paving: 1.16

Residential Indoor: 759,375; Residential Outdoor: 253,125; Non-Residential Indoor: 31,368; Non-Residential Outdoor: 10,456; Striped Parking Area: 3,096 (Architectural Coating – sqft)

OffRoad Equipment

Reduced Density Alternative - South Coast Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demo-Abatement	Forklifts	1	8.00	89	0.20
Pre-Demo-Abatement	Generator Sets	2	8.00	84	0.74
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demo-Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	375.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	137.00	28.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demo-Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125		1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**		**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demo-Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0100e-003	0.1981	0.0468	5.9000e-004	0.0140	6.5000e-004	0.0146	3.8300e-003	6.2000e-004	4.4500e-003		64.2198	64.2198	4.6200e-003		64.3353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2719	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		83.0521	83.0521	2.2300e-003		83.1079
Total	**0.0429**	**0.2221**	**0.3187**	**1.4200e-003**	**0.1034**	**1.3100e-003**	**0.1047**	**0.0275**	**1.2300e-003**	**0.0288**		**147.2719**	**147.2719**	**6.8500e-003**		**147.4433**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125	0.0000	1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**	**0.0000**	**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demo-Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0100e-003	0.1981	0.0468	5.9000e-004	0.0140	6.5000e-004	0.0146	3.8300e-003	6.2000e-004	4.4500e-003		64.2198	64.2198	4.6200e-003		64.3353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2719	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		83.0521	83.0521	2.2300e-003		83.1079
Total	**0.0429**	**0.2221**	**0.3187**	**1.4200e-003**	**0.1034**	**1.3100e-003**	**0.1047**	**0.0275**	**1.2300e-003**	**0.0288**		**147.2719**	**147.2719**	**6.8500e-003**		**147.4433**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**4.1378**	**1.5513**	**5.6891**	**0.6265**	**1.4411**	**2.0676**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2313	8.4157	1.8356	0.0208	0.4388	0.0216	0.4604	0.1203	0.0206	0.1409		2,255.3014	2,255.3014	0.1919		2,260.0998
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	**0.3005**	**8.4607**	**2.3454**	**0.0223**	**0.6065**	**0.0228**	**0.6293**	**0.1648**	**0.0218**	**0.1865**		**2,411.0240**	**2,411.0240**	**0.1961**		**2,415.9272**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.6137**	**1.5513**	**3.1651**	**0.2443**	**1.4411**	**1.6854**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2313	8.4157	1.8356	0.0208	0.4388	0.0216	0.4604	0.1203	0.0206	0.1409		2,255.3014	2,255.3014	0.1919		2,260.0998
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	**0.3005**	**8.4607**	**2.3454**	**0.0223**	**0.6065**	**0.0228**	**0.6293**	**0.1648**	**0.0218**	**0.1865**		**2,411.0240**	**2,411.0240**	**0.1961**		**2,415.9272**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1057	0.0000	6.1057	3.3196	0.0000	3.3196			0.0000			0.0000
Off-Road	2.7412	29.9016	18.6120	0.0414		1.3253	1.3253		1.2193	1.2193		4,009.8950	4,009.8950	1.2969		4,042.3170
Total	**2.7412**	**29.9016**	**18.6120**	**0.0414**	**6.1057**	**1.3253**	**7.4310**	**3.3196**	**1.2193**	**4.5388**		**4,009.8950**	**4,009.8950**	**1.2969**		**4,042.3170**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0768	2.5328	0.5988	7.5600e-003	0.1786	8.3100e-003	0.1869	0.0489	7.9500e-003	0.0569		820.9921	820.9921	0.0591		822.4688
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0600	0.6797	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.6302	207.6302	5.5800e-003		207.7698
Total	**0.1690**	**2.5927**	**1.2786**	**9.6400e-003**	**0.4021**	**9.9600e-003**	**0.4121**	**0.1082**	**9.4700e-003**	**0.1177**		**1,028.6223**	**1,028.6223**	**0.0647**		**1,030.2386**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3812	0.0000	2.3812	1.2946	0.0000	1.2946			0.0000			0.0000
Off-Road	2.7412	29.9016	18.6120	0.0414		1.3253	1.3253		1.2193	1.2193	0.0000	4,009.8950	4,009.8950	1.2969		4,042.3170
Total	**2.7412**	**29.9016**	**18.6120**	**0.0414**	**2.3812**	**1.3253**	**3.7065**	**1.2946**	**1.2193**	**2.5139**	**0.0000**	**4,009.8950**	**4,009.8950**	**1.2969**		**4,042.3170**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0768	2.5328	0.5988	7.5600e-003	0.1786	8.3100e-003	0.1869	0.0489	7.9500e-003	0.0569		820.9921	820.9921	0.0591		822.4688
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0600	0.6797	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.6302	207.6302	5.5800e-003		207.7698
Total	**0.1690**	**2.5927**	**1.2786**	**9.6400e-003**	**0.4021**	**9.9600e-003**	**0.4121**	**0.1082**	**9.4700e-003**	**0.1177**		**1,028.6223**	**1,028.6223**	**0.0647**		**1,030.2386**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**		**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0828	2.6752	0.7238	6.8900e-003	0.1792	5.6500e-003	0.1848	0.0516	5.4000e-003	0.0570		737.4466	737.4466	0.0501		738.6991
Worker	0.6318	0.4107	4.6562	0.0143	1.5313	0.0113	1.5427	0.4061	0.0104	0.4166		1,422.2671	1,422.2671	0.0383		1,423.2234
Total	**0.7146**	**3.0859**	**5.3799**	**0.0212**	**1.7105**	**0.0170**	**1.7275**	**0.4577**	**0.0158**	**0.4735**		**2,159.7137**	**2,159.7137**	**0.0884**		**2,161.9225**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**	**0.0000**	**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0828	2.6752	0.7238	6.8900e-003	0.1792	5.6500e-003	0.1848	0.0516	5.4000e-003	0.0570		737.4466	737.4466	0.0501		738.6991
Worker	0.6318	0.4107	4.6562	0.0143	1.5313	0.0113	1.5427	0.4061	0.0104	0.4166		1,422.2671	1,422.2671	0.0383		1,423.2234
Total	**0.7146**	**3.0859**	**5.3799**	**0.0212**	**1.7105**	**0.0170**	**1.7275**	**0.4577**	**0.0158**	**0.4735**		**2,159.7137**	**2,159.7137**	**0.0884**		**2,161.9225**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**		**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0777	2.5392	0.6855	6.8300e-003	0.1792	4.9200e-003	0.1841	0.0516	4.7000e-003	0.0563		730.8619	730.8619	0.0483		732.0704
Worker	0.5942	0.3709	4.2982	0.0138	1.5313	0.0110	1.5424	0.4061	0.0101	0.4163		1,371.3410	1,371.3410	0.0346		1,372.2048
Total	**0.6719**	**2.9101**	**4.9837**	**0.0206**	**1.7105**	**0.0159**	**1.7264**	**0.4577**	**0.0148**	**0.4725**		**2,102.2029**	**2,102.2029**	**0.0829**		**2,104.2752**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**	**0.0000**	**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0777	2.5392	0.6855	6.8300e-003	0.1792	4.9200e-003	0.1841	0.0516	4.7000e-003	0.0563		730.8619	730.8619	0.0483		732.0704
Worker	0.5942	0.3709	4.2982	0.0138	1.5313	0.0110	1.5424	0.4061	0.0101	0.4163		1,371.3410	1,371.3410	0.0346		1,372.2048
Total	**0.6719**	**2.9101**	**4.9837**	**0.0206**	**1.7105**	**0.0159**	**1.7264**	**0.4577**	**0.0148**	**0.4725**		**2,102.2029**	**2,102.2029**	**0.0829**		**2,104.2752**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**		**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0577	1.9098	0.6079	6.6100e-003	0.1792	2.3100e-003	0.1815	0.0516	2.2100e-003	0.0538		708.4843	708.4843	0.0425		709.5455
Worker	0.5605	0.3355	3.9617	0.0132	1.5313	0.0107	1.5421	0.4061	9.8700e-003	0.4160		1,320.2588	1,320.2588	0.0311		1,321.0372
Total	**0.6181**	**2.2453**	**4.5696**	**0.0199**	**1.7105**	**0.0130**	**1.7235**	**0.4577**	**0.0121**	**0.4698**		**2,028.7432**	**2,028.7432**	**0.0736**		**2,030.5826**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**	**0.0000**	**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0577	1.9098	0.6079	6.6100e-003	0.1792	2.3100e-003	0.1815	0.0516	2.2100e-003	0.0538		708.4843	708.4843	0.0425		709.5455
Worker	0.5605	0.3355	3.9617	0.0132	1.5313	0.0107	1.5421	0.4061	9.8700e-003	0.4160		1,320.2588	1,320.2588	0.0311		1,321.0372
Total	**0.6181**	**2.2453**	**4.5696**	**0.0199**	**1.7105**	**0.0130**	**1.7235**	**0.4577**	**0.0121**	**0.4698**		**2,028.7432**	**2,028.7432**	**0.0736**		**2,030.5826**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**29.6832**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**		**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1105	0.0661	0.7808	2.6100e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820		260.1970	260.1970	6.1400e-003		260.3504
Total	**0.1105**	**0.0661**	**0.7808**	**2.6100e-003**	**0.3018**	**2.1100e-003**	**0.3039**	**0.0800**	**1.9500e-003**	**0.0820**		**260.1970**	**260.1970**	**6.1400e-003**		**260.3504**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**29.6832**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1105	0.0661	0.7808	2.6100e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820		260.1970	260.1970	6.1400e-003		260.3504
Total	**0.1105**	**0.0661**	**0.7808**	**2.6100e-003**	**0.3018**	**2.1100e-003**	**0.3039**	**0.0800**	**1.9500e-003**	**0.0820**		**260.1970**	**260.1970**	**6.1400e-003**		**260.3504**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2220**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0490	0.5784	1.9300e-003	0.2236	1.5700e-003	0.2251	0.0593	1.4400e-003	0.0607		192.7385	192.7385	4.5400e-003		192.8521
Total	**0.0818**	**0.0490**	**0.5784**	**1.9300e-003**	**0.2236**	**1.5700e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**192.7385**	**192.7385**	**4.5400e-003**		**192.8521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2220**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0490	0.5784	1.9300e-003	0.2236	1.5700e-003	0.2251	0.0593	1.4400e-003	0.0607		192.7385	192.7385	4.5400e-003		192.8521
Total	**0.0818**	**0.0490**	**0.5784**	**1.9300e-003**	**0.2236**	**1.5700e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**192.7385**	**192.7385**	**4.5400e-003**		**192.8521**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1527	9.1598	22.4566	0.0807	7.0251	0.0612	7.0863	1.8794	0.0569	1.9362		8,235.9764	8,235.9764	0.4149		8,246.3492
Unmitigated	2.1527	9.1598	22.4566	0.0807	7.0251	0.0612	7.0863	1.8794	0.0569	1.9362		8,235.9764	8,235.9764	0.4149		8,246.3492

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	1,402.00	1,286.00	1112.00	3,155,443	3,155,443
User Defined Parking	323.00	377.00	273.00	11,778	11,778
Total	1,725.00	1,663.00	1,385.00	3,167,221	3,167,221

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.45	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
High Turnover (Sit Down Restaurant)	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Regional Shopping Center	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
User Defined Commercial	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
User Defined Parking	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Reduced Density Alternative - South Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510
NaturalGas Unmitigated	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	7502.26	0.0809	0.6914	0.2942	4.4100e-003		0.0559	0.0559		0.0559	0.0559		882.6189	882.6189	0.0169	0.0162	887.8638
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1327**	**1.1622**	**0.6897**	**7.2400e-003**		**0.0917**	**0.0917**		**0.0917**	**0.0917**		**1,447.5490**	**1,447.5490**	**0.0278**	**0.0265**	**1,456.1510**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	7.50226	0.0809	0.6914	0.2942	4.4100e-003		0.0559	0.0559		0.0559	0.0559		882.6189	882.6189	0.0169	0.0162	887.8638
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1327**	**1.1622**	**0.6897**	**7.2400e-003**		**0.0917**	**0.0917**		**0.0917**	**0.0917**		**1,447.5490**	**1,447.5490**	**0.0278**	**0.0265**	**1,456.1510**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540
Unmitigated	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8573					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3743	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686		22.3161	22.3161	0.0215		22.8540
Total	**8.9316**	**0.1428**	**12.3935**	**6.5000e-004**		**0.0686**	**0.0686**		**0.0686**	**0.0686**	**0.0000**	**22.3161**	**22.3161**	**0.0215**	**0.0000**	**22.8540**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8573					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3743	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686		22.3161	22.3161	0.0215		22.8540
Total	**8.9316**	**0.1428**	**12.3935**	**6.5000e-004**		**0.0686**	**0.0686**		**0.0686**	**0.0686**	**0.0000**	**22.3161**	**22.3161**	**0.0215**	**0.0000**	**22.8540**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**0.8205**	**3.6694**	**2.0922**	**3.9400e-003**		**0.1207**	**0.1207**		**0.1207**	**0.1207**		**419.7571**	**419.7571**	**0.0589**		**421.2283**

11.0 Vegetation

Reduced Density Alternative

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Parking Lot	129.00	Space	1.16	51,600.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Condo/Townhouse	150.00	Dwelling Unit	2.00	375,000.00	363
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Reduced Density Alternative - South Coast Air Basin, Summer

Project Characteristics -

Construction Phase - Construction phasing based on Applicant data.

Off-road Equipment - Off Road equipment per Applicant data and assumptions.

Trips and VMT - Demolition debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10cy haul capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of bldg volume = 13,986 cy/16 cy hauling capacity)

Demolition - Demo phase includes 151,048 sf of bldg debris (x0.046 =6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy - 1,560 tons)

Grading - Pre-Demo Abatement assumes 50 cy of C&D export. Grading assumes 3,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT calculator - see attached assumptions and data input modificiation sheet.

Woodstoves - No fireplaces or woodstoves are proposed

Sequestration - Sequestration includes 38 trees per LAMC requirements.

Construction Off-road Equipment Mitigation - Mitigation scenario represents compliance with applicable laws and regulations. Compliance with AQMD Rule 403 (Dust Suppression) with a watering frequency of 3X a day = a 61% reduction in fugitive dust.

Area Mitigation - Application of low VOC architectural coatings per LA Green Builidng Code.

Energy Mitigation - Energy Star-Rated appliances required per LA Green Building Code.

Water Mitigation - Water Conservation measures are mandatory per LA Green Builidng Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	464.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	44.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	127.50	0.00
tblFireplaces	NumberNoFireplace	15.00	150.00
tblFireplaces	NumberWood	7.50	0.00

Reduced Density Alternative - South Coast Air Basin, Summer

tblGrading	AcresOfGrading	22.00	3.15
tblGrading	MaterialExported	0.00	3,000.00
tblLandUse	LandUseSquareFeet	150,000.00	375,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	9.38	2.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	Population	429.00	363.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblSequestration	NumberOfNewTrees	0.00	38.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblVehicleTrips	CC_TL	8.40	6.45
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	5.67	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	1,286.00
tblVehicleTrips	ST_TR	0.00	377.00
tblVehicleTrips	SU_TR	4.84	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00

tblVehicleTrips	SU_TR	0.00	1,112.00
tblVehicleTrips	SU_TR	0.00	273.00
tblVehicleTrips	WD_TR	5.81	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	1,402.00
tblVehicleTrips	WD_TR	0.00	323.00
tblWoodstoves	NumberCatalytic	7.50	0.00
tblWoodstoves	NumberNoncatalytic	7.50	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.3337	47.6173	32.6690	0.0780	6.5079	1.9941	7.8430	3.4278	1.8760	4.6564	0.0000	7,782.3987	7,782.3987	1.3601	0.0000	7,816.3880
2022	2.6377	20.9235	24.7551	0.0539	1.7105	0.9499	2.6605	0.4577	0.9010	1.3587	0.0000	5,256.6210	5,256.6210	0.7230	0.0000	5,274.6959
2023	29.7829	18.8711	24.2061	0.0532	1.7105	0.8214	2.5319	0.4577	0.7791	1.2368	0.0000	5,179.7017	5,179.7017	0.7077	0.0000	5,197.3937
Maximum	**29.7829**	**47.6173**	**32.6690**	**0.0780**	**6.5079**	**1.9941**	**7.8430**	**3.4278**	**1.8760**	**4.6564**	**0.0000**	**7,782.3987**	**7,782.3987**	**1.3601**	**0.0000**	**7,816.3880**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.3337	47.6173	32.6690	0.0780	2.7834	1.9941	4.3177	1.4029	1.8760	2.6315	0.0000	7,782.3987	7,782.3987	1.3601	0.0000	7,816.3880
2022	2.6377	20.9235	24.7551	0.0539	1.7105	0.9499	2.6605	0.4577	0.9010	1.3587	0.0000	5,256.6210	5,256.6210	0.7230	0.0000	5,274.6959
2023	29.7829	18.8711	24.2061	0.0532	1.7105	0.8214	2.5319	0.4577	0.7791	1.2368	0.0000	5,179.7017	5,179.7017	0.7077	0.0000	5,197.3937
Maximum	**29.7829**	**47.6173**	**32.6690**	**0.0780**	**2.7834**	**1.9941**	**4.3177**	**1.4029**	**1.8760**	**2.6315**	**0.0000**	**7,782.3987**	**7,782.3987**	**1.3601**	**0.0000**	**7,816.3880**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**37.51**	**0.00**	**27.04**	**46.62**	**0.00**	**27.92**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540
Energy	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510
Mobile	2.2566	9.0604	23.3097	0.0852	7.0251	0.0607	7.0858	1.8794	0.0564	1.9358		8,691.5469	8,691.5469	0.4103		8,701.8042
Stationary	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**12.1414**	**14.0348**	**38.4850**	**0.0971**	**7.0251**	**0.3417**	**7.3668**	**1.8794**	**0.3374**	**2.2167**	**0.0000**	**10,581.1691**	**10,581.1691**	**0.5184**	**0.0265**	**10,602.0375**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540
Energy	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510
Mobile	2.2566	9.0604	23.3097	0.0852	7.0251	0.0607	7.0858	1.8794	0.0564	1.9358		8,691.5469	8,691.5469	0.4103		8,701.8042
Stationary	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**12.1414**	**14.0348**	**38.4850**	**0.0971**	**7.0251**	**0.3417**	**7.3668**	**1.8794**	**0.3374**	**2.2167**	**0.0000**	**10,581.1691**	**10,581.1691**	**0.5184**	**0.0265**	**10,602.0375**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demo-Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/5/2021	5/5/2021	5	44	
3	Grading	Grading	5/6/2021	7/6/2021	5	44	
4	Building Construction	Building Construction	7/7/2021	4/17/2023	5	464	
5	Architectural Coating	Architectural Coating	4/18/2023	8/17/2023	5	88	
6	Paving	Paving	8/18/2023	8/31/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.15

Acres of Paving: 1.16

Residential Indoor: 759,375; Residential Outdoor: 253,125; Non-Residential Indoor: 31,368; Non-Residential Outdoor: 10,456; Striped Parking Area: 3,096 (Architectural Coating – sqft)

OffRoad Equipment

Reduced Density Alternative - South Coast Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demo-Abatement	Forklifts	1	8.00	89	0.20
Pre-Demo-Abatement	Generator Sets	2	8.00	84	0.74
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demo-Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	375.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	137.00	28.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demo-Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125		1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**		**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demo-Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8800e-003	0.1951	0.0444	6.0000e-004	0.0140	6.4000e-004	0.0146	3.8300e-003	6.1000e-004	4.4400e-003		65.1736	65.1736	4.4700e-003		65.2855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0335	0.0218	0.3004	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5519	88.5519	2.3900e-003		88.6115
Total	**0.0394**	**0.2169**	**0.3448**	**1.4900e-003**	**0.1034**	**1.3000e-003**	**0.1047**	**0.0275**	**1.2200e-003**	**0.0288**		**153.7255**	**153.7255**	**6.8600e-003**		**153.8970**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125	0.0000	1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**	**0.0000**	**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demo-Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8800e-003	0.1951	0.0444	6.0000e-004	0.0140	6.4000e-004	0.0146	3.8300e-003	6.1000e-004	4.4400e-003		65.1736	65.1736	4.4700e-003		65.2855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0335	0.0218	0.3004	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5519	88.5519	2.3900e-003		88.6115
Total	**0.0394**	**0.2169**	**0.3448**	**1.4900e-003**	**0.1034**	**1.3000e-003**	**0.1047**	**0.0275**	**1.2200e-003**	**0.0288**		**153.7255**	**153.7255**	**6.8600e-003**		**153.8970**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**4.1378**	**1.5513**	**5.6891**	**0.6265**	**1.4411**	**2.0676**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2223	8.4073	1.6587	0.0214	0.4388	0.0210	0.4598	0.1203	0.0201	0.1404		2,320.5936	2,320.5936	0.1819		2,325.1405
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	**0.2851**	**8.4483**	**2.2219**	**0.0230**	**0.6065**	**0.0222**	**0.6287**	**0.1648**	**0.0212**	**0.1860**		**2,486.6283**	**2,486.6283**	**0.1864**		**2,491.2871**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.6137**	**1.5513**	**3.1651**	**0.2443**	**1.4411**	**1.6854**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2223	8.4073	1.6587	0.0214	0.4388	0.0210	0.4598	0.1203	0.0201	0.1404		2,320.5936	2,320.5936	0.1819		2,325.1405
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	**0.2851**	**8.4483**	**2.2219**	**0.0230**	**0.6065**	**0.0222**	**0.6287**	**0.1648**	**0.0212**	**0.1860**		**2,486.6283**	**2,486.6283**	**0.1864**		**2,491.2871**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1057	0.0000	6.1057	3.3196	0.0000	3.3196			0.0000			0.0000
Off-Road	2.7412	29.9016	18.6120	0.0414		1.3253	1.3253		1.2193	1.2193		4,009.8950	4,009.8950	1.2969		4,042.3170
Total	**2.7412**	**29.9016**	**18.6120**	**0.0414**	**6.1057**	**1.3253**	**7.4310**	**3.3196**	**1.2193**	**4.5388**		**4,009.8950**	**4,009.8950**	**1.2969**		**4,042.3170**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0751	2.4941	0.5674	7.6700e-003	0.1786	8.2100e-003	0.1868	0.0489	7.8500e-003	0.0568		833.1856	833.1856	0.0572		834.6155
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0546	0.7509	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.3797	221.3797	5.9700e-003		221.5288
Total	**0.1588**	**2.5487**	**1.3183**	**9.8900e-003**	**0.4021**	**9.8600e-003**	**0.4120**	**0.1082**	**9.3700e-003**	**0.1176**		**1,054.5653**	**1,054.5653**	**0.0632**		**1,056.1444**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3812	0.0000	2.3812	1.2946	0.0000	1.2946			0.0000			0.0000
Off-Road	2.7412	29.9016	18.6120	0.0414		1.3253	1.3253		1.2193	1.2193	0.0000	4,009.8950	4,009.8950	1.2969		4,042.3170
Total	**2.7412**	**29.9016**	**18.6120**	**0.0414**	**2.3812**	**1.3253**	**3.7065**	**1.2946**	**1.2193**	**2.5139**	**0.0000**	**4,009.8950**	**4,009.8950**	**1.2969**		**4,042.3170**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0751	2.4941	0.5674	7.6700e-003	0.1786	8.2100e-003	0.1868	0.0489	7.8500e-003	0.0568		833.1856	833.1856	0.0572		834.6155
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0546	0.7509	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.3797	221.3797	5.9700e-003		221.5288
Total	**0.1588**	**2.5487**	**1.3183**	**9.8900e-003**	**0.4021**	**9.8600e-003**	**0.4120**	**0.1082**	**9.3700e-003**	**0.1176**		**1,054.5653**	**1,054.5653**	**0.0632**		**1,056.1444**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**		**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0788	2.6815	0.6511	7.0800e-003	0.1792	5.4700e-003	0.1846	0.0516	5.2400e-003	0.0568		758.0825	758.0825	0.0469		759.2544
Worker	0.5734	0.3740	5.1439	0.0152	1.5313	0.0113	1.5427	0.4061	0.0104	0.4166		1,516.4507	1,516.4507	0.0409		1,517.4725
Total	**0.6521**	**3.0555**	**5.7950**	**0.0223**	**1.7105**	**0.0168**	**1.7273**	**0.4577**	**0.0157**	**0.4734**		**2,274.5331**	**2,274.5331**	**0.0878**		**2,276.7269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**	**0.0000**	**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0788	2.6815	0.6511	7.0800e-003	0.1792	5.4700e-003	0.1846	0.0516	5.2400e-003	0.0568		758.0825	758.0825	0.0469		759.2544
Worker	0.5734	0.3740	5.1439	0.0152	1.5313	0.0113	1.5427	0.4061	0.0104	0.4166		1,516.4507	1,516.4507	0.0409		1,517.4725
Total	**0.6521**	**3.0555**	**5.7950**	**0.0223**	**1.7105**	**0.0168**	**1.7273**	**0.4577**	**0.0157**	**0.4734**		**2,274.5331**	**2,274.5331**	**0.0878**		**2,276.7269**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**		**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0739	2.5470	0.6165	7.0200e-003	0.1792	4.7600e-003	0.1839	0.0516	4.5600e-003	0.0561		751.4366	751.4366	0.0453		752.5683
Worker	0.5379	0.3379	4.7569	0.0147	1.5313	0.0110	1.5424	0.4061	0.0101	0.4163		1,462.1505	1,462.1505	0.0370		1,463.0742
Total	**0.6118**	**2.8848**	**5.3734**	**0.0217**	**1.7105**	**0.0158**	**1.7263**	**0.4577**	**0.0147**	**0.4724**		**2,213.5872**	**2,213.5872**	**0.0822**		**2,215.6426**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**	**0.0000**	**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0739	2.5470	0.6165	7.0200e-003	0.1792	4.7600e-003	0.1839	0.0516	4.5600e-003	0.0561		751.4366	751.4366	0.0453		752.5683
Worker	0.5379	0.3379	4.7569	0.0147	1.5313	0.0110	1.5424	0.4061	0.0101	0.4163		1,462.1505	1,462.1505	0.0370		1,463.0742
Total	**0.6118**	**2.8848**	**5.3734**	**0.0217**	**1.7105**	**0.0158**	**1.7263**	**0.4577**	**0.0147**	**0.4724**		**2,213.5872**	**2,213.5872**	**0.0822**		**2,215.6426**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**		**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0548	1.9201	0.5565	6.7900e-003	0.1792	2.2000e-003	0.1814	0.0516	2.1000e-003	0.0537		728.1021	728.1021	0.0400		729.1025
Worker	0.5058	0.3057	4.3928	0.0141	1.5313	0.0107	1.5421	0.4061	9.8700e-003	0.4160		1,407.6886	1,407.6886	0.0333		1,408.5219
Total	**0.5606**	**2.2258**	**4.9493**	**0.0209**	**1.7105**	**0.0129**	**1.7234**	**0.4577**	**0.0120**	**0.4697**		**2,135.7907**	**2,135.7907**	**0.0734**		**2,137.6244**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**	**0.0000**	**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0548	1.9201	0.5565	6.7900e-003	0.1792	2.2000e-003	0.1814	0.0516	2.1000e-003	0.0537		728.1021	728.1021	0.0400		729.1025
Worker	0.5058	0.3057	4.3928	0.0141	1.5313	0.0107	1.5421	0.4061	9.8700e-003	0.4160		1,407.6886	1,407.6886	0.0333		1,408.5219
Total	**0.5606**	**2.2258**	**4.9493**	**0.0209**	**1.7105**	**0.0129**	**1.7234**	**0.4577**	**0.0120**	**0.4697**		**2,135.7907**	**2,135.7907**	**0.0734**		**2,137.6244**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**29.6832**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**		**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.0603	0.8657	2.7800e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820		277.4277	277.4277	6.5700e-003		277.5919
Total	**0.0997**	**0.0603**	**0.8657**	**2.7800e-003**	**0.3018**	**2.1100e-003**	**0.3039**	**0.0800**	**1.9500e-003**	**0.0820**		**277.4277**	**277.4277**	**6.5700e-003**		**277.5919**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**29.6832**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.0603	0.8657	2.7800e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820		277.4277	277.4277	6.5700e-003		277.5919
Total	**0.0997**	**0.0603**	**0.8657**	**2.7800e-003**	**0.3018**	**2.1100e-003**	**0.3039**	**0.0800**	**1.9500e-003**	**0.0820**		**277.4277**	**277.4277**	**6.5700e-003**		**277.5919**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2220**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0446	0.6413	2.0600e-003	0.2236	1.5700e-003	0.2251	0.0593	1.4400e-003	0.0607		205.5020	205.5020	4.8700e-003		205.6236
Total	**0.0738**	**0.0446**	**0.6413**	**2.0600e-003**	**0.2236**	**1.5700e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**205.5020**	**205.5020**	**4.8700e-003**		**205.6236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2220**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0446	0.6413	2.0600e-003	0.2236	1.5700e-003	0.2251	0.0593	1.4400e-003	0.0607		205.5020	205.5020	4.8700e-003		205.6236
Total	**0.0738**	**0.0446**	**0.6413**	**2.0600e-003**	**0.2236**	**1.5700e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**205.5020**	**205.5020**	**4.8700e-003**		**205.6236**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2566	9.0604	23.3097	0.0852	7.0251	0.0607	7.0858	1.8794	0.0564	1.9358		8,691.5469	8,691.5469	0.4103		8,701.8042
Unmitigated	2.2566	9.0604	23.3097	0.0852	7.0251	0.0607	7.0858	1.8794	0.0564	1.9358		8,691.5469	8,691.5469	0.4103		8,701.8042

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	1,402.00	1,286.00	1112.00	3,155,443	3,155,443
User Defined Parking	323.00	377.00	273.00	11,778	11,778
Total	1,725.00	1,663.00	1,385.00	3,167,221	3,167,221

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.45	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
High Turnover (Sit Down Restaurant)	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Parking Lot	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
Regional Shopping Center	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
User Defined Commercial	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869
User Defined Parking	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Reduced Density Alternative - South Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510
NaturalGas Unmitigated	0.1327	1.1622	0.6897	7.2400e-003		0.0917	0.0917		0.0917	0.0917		1,447.5490	1,447.5490	0.0277	0.0265	1,456.1510

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	7502.26	0.0809	0.6914	0.2942	4.4100e-003		0.0559	0.0559		0.0559	0.0559		882.6189	882.6189	0.0169	0.0162	887.8638
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1327**	**1.1622**	**0.6897**	**7.2400e-003**		**0.0917**	**0.0917**		**0.0917**	**0.0917**		**1,447.5490**	**1,447.5490**	**0.0278**	**0.0265**	**1,456.1510**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	7.50226	0.0809	0.6914	0.2942	4.4100e-003		0.0559	0.0559		0.0559	0.0559		882.6189	882.6189	0.0169	0.0162	887.8638
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1327**	**1.1622**	**0.6897**	**7.2400e-003**		**0.0917**	**0.0917**		**0.0917**	**0.0917**		**1,447.5490**	**1,447.5490**	**0.0278**	**0.0265**	**1,456.1510**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540
Unmitigated	8.9316	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.3161	22.3161	0.0215	0.0000	22.8540

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8573					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3743	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686		22.3161	22.3161	0.0215		22.8540
Total	**8.9316**	**0.1428**	**12.3935**	**6.5000e-004**		**0.0686**	**0.0686**		**0.0686**	**0.0686**	**0.0000**	**22.3161**	**22.3161**	**0.0215**	**0.0000**	**22.8540**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8573					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3743	0.1428	12.3935	6.5000e-004		0.0686	0.0686		0.0686	0.0686		22.3161	22.3161	0.0215		22.8540
Total	**8.9316**	**0.1428**	**12.3935**	**6.5000e-004**		**0.0686**	**0.0686**		**0.0686**	**0.0686**	**0.0000**	**22.3161**	**22.3161**	**0.0215**	**0.0000**	**22.8540**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	0.8205	3.6694	2.0922	3.9400e-003		0.1207	0.1207		0.1207	0.1207		419.7571	419.7571	0.0589		421.2283
Total	**0.8205**	**3.6694**	**2.0922**	**3.9400e-003**		**0.1207**	**0.1207**		**0.1207**	**0.1207**		**419.7571**	**419.7571**	**0.0589**		**421.2283**

11.0 Vegetation

Appendix L
Project Alternatives Traffic, Air Quality and Greenhouse Gas Modeling Worksheets

Retail/Office Alternative

- Weekday Project Trip Generation
- Weekend Project Trip Generation
- City of Los Angeles LADOT VMT Calculator
- CalEEMod Air Quality Worksheets - Mixed-Use Office Alternative
    - Annual Emissions
    - Winter Emissions
    - Summer Emissions

Table 7-1
PROJECT TRIP GENERATION [1]
ALTERNATIVE 4 - BY-RIGHT RETAIL/OFFICE ALTERNATIVE

14-Aug-19

LAND USE	SIZE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2] IN	AM PEAK HOUR VOLUMES [2] OUT	AM PEAK HOUR VOLUMES [2] TOTAL	PM PEAK HOUR VOLUMES [2] IN	PM PEAK HOUR VOLUMES [2] OUT	PM PEAK HOUR VOLUMES [2] TOTAL
Proposed Project								
Commercial Retail [3]	22,500 GLSF	849	13	8	21	41	45	86
Restaurant [4]	7,500 GSF	841	41	34	75	45	28	73
Office [5]	396,994 GSF	3,867	396	65	461	73	384	457
Subtotal		5,557	450	107	557	159	457	616
Transit Trips [6]								
Commercial Retail (15%)		(127)	(2)	(1)	(3)	(6)	(7)	(13)
Restaurant (15%)		(126)	(6)	(5)	(11)	(7)	(4)	(11)
Office (15%)		(580)	(59)	(10)	(69)	(11)	(58)	(69)
Subtotal		(833)	(67)	(16)	(83)	(24)	(69)	(93)
Internal Capture [7]								
Commercial Retail (10%)		(72)	(1)	(1)	(2)	(4)	(4)	(8)
Restaurant (10%)		(72)	(4)	(3)	(7)	(4)	(2)	(6)
Office (10%)		(329)	(34)	(6)	(40)	(6)	(33)	(39)
Subtotal		(473)	(39)	(10)	(49)	(14)	(39)	(53)
Subtotal Project Driveway Trips		**4,251**	**344**	**81**	**425**	**121**	**349**	**470**
Existing Site								
Commercial Retail [3]	(144,963) GLSF	(5,472)	(84)	(52)	(136)	(265)	(287)	(552)
Restaurant [4]	(6,085) GSF	(683)	(33)	(27)	(60)	(37)	(22)	(59)
Subtotal		(6,155)	(117)	(79)	(196)	(302)	(309)	(611)
Existing Transit Trips [6]								
Commercial Retail (15%)		821	13	8	21	40	43	83
Restaurant (15%)		102	5	4	9	6	3	9
Subtotal		923	18	12	30	46	46	92
Subtotal Existing Driveway Trips		**(5,232)**	**(99)**	**(67)**	**(166)**	**(256)**	**(263)**	**(519)**
NET INCREASE DRIVEWAY TRIPS		**(981)**	**245**	**14**	**259**	**(135)**	**86**	**(49)**
Proposed Pass-By Trips [8]								
Commercial Retail (50%)		(325)	(5)	(3)	(8)	(16)	(17)	(33)
Restaurant (20%)		(129)	(6)	(5)	(11)	(7)	(4)	(11)
Subtotal		(454)	(11)	(8)	(19)	(23)	(21)	(44)
Existing Pass-By Trips [8]								
Commercial Retail (30%)		1,395	21	13	34	68	73	141
Restaurant (20%)		116	6	5	11	6	4	10
Subtotal		1,511	27	18	45	74	77	151
NET INCREASE "OFF-SITE" TRIPS		**76**	**261**	**24**	**285**	**(84)**	**142**	**58**

[1] Source: ITE "Trip Generation Manual", 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
- Daily Trip Rate: 37.75 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.94 trips/1,000 SF of leasable floor area; 62% inbound/38% outbound
- PM Peak Hour Trip Rate: 3.81 trips/1,000 SF of leasable floor area; 48% inbound/52% outbound

[4] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- Daily Trip Rate: 112.18 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 9.94 trips/1,000 SF of floor area; 55% inbound/45% outbound
- PM Peak Hour Trip Rate: 9.77 trips/1,000 SF of floor area; 62% inbound/38% outbound

[5] ITE Land Use Code 710 (General Office Building) trip generation average rates.
- Daily Trip Rate: 9.74 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 1.16 trips/1,000 SF of floor area; 86% inbound/14% outbound
- PM Peak Hour Trip Rate: 1.15 trips/1,000 SF of floor area; 16% inbound/84% outbound

[6] The Project site is located within 1/4 mile of a Metro Rapid bus stop. The trip reduction for transit trips has been applied to the residential and commercial components of the project based on the "LADOT Transportation Impact Study Guidelines," December 2016 for developments within a 1/4 mile walking distance of a transit station or a RapidBus stop.
[7] The internal capture reduction for the commercial, restaurant, and office uses are based on the synergy between all the land uses provided within the project site.
[8] Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the site. The trip reduction for pass-by trips has been applied to the commercial components of the project based on the LADOT Transportation Impact Study Guidelines," December 2016 for Shopping Center less than 50,000 sf, High-Turnover Restaurant, and Shopping Center 100,000 to less than 300,000 sf.

Table 7-1
WEEKEND PROJECT TRIP GENERATION [1]
ALTERNATIVE 4 - BY-RIGHT RETAIL/OFFICE ALTERNATIVE

28-Feb-20

LAND USE	SIZE	SAT DAILY TRIP ENDS [2] VOLUMES	SAT PEAK HOUR VOLUMES [2] IN	SAT PEAK HOUR VOLUMES [2] OUT	SAT PEAK HOUR VOLUMES [2] TOTAL	SUN DAILY TRIP ENDS [2] VOLUMES	SUN PEAK HOUR VOLUMES [2] IN	SUN PEAK HOUR VOLUMES [2] OUT	SUN PEAK HOUR VOLUMES [2] TOTAL
Proposed Project									
Commercial Retail [3]	22,500 GLSF	1,038	53	48	101	475	31	32	63
Restaurant [4]	7,500 GSF	918	43	41	84	1,070	107	87	194
Office [5]	396,994 GSF	877	113	97	210	278	48	35	83
Subtotal		2,833	209	186	395	1,823	186	154	340
Transit Trips [6]									
Commercial Retail (15%)		(156)	(8)	(7)	(15)	(71)	(5)	(5)	(10)
Restaurant (15%)		(138)	(6)	(6)	(12)	(161)	(16)	(13)	(29)
Office (15%)		(132)	(17)	(15)	(32)	(42)	(7)	(5)	(12)
Subtotal		(426)	(31)	(28)	(59)	(274)	(28)	(23)	(51)
Internal Capture [7]									
Commercial Retail (10%)		(88)	(5)	(4)	(9)	(40)	(3)	(3)	(6)
Restaurant (10%)		(78)	(4)	(4)	(8)	(91)	(9)	(7)	(16)
Office (10%)		(75)	(10)	(8)	(18)	(24)	(4)	(3)	(7)
Subtotal		(241)	(19)	(16)	(35)	(155)	(16)	(13)	(29)
Subtotal Project Driveway Trips		**2,166**	**159**	**142**	**301**	**1,394**	**142**	**118**	**260**
Existing Site									
Commercial Retail [3]	(144,963) GLSF	(6,686)	(339)	(313)	(652)	(3,059)	(198)	(206)	(404)
Restaurant [4]	(6,085) GSF	(745)	(35)	(33)	(68)	(868)	(86)	(71)	(157)
Subtotal		(7,431)	(374)	(346)	(720)	(3,927)	(284)	(277)	(561)
Existing Transit Trips [6]									
Commercial Retail (15%)		1,003	51	47	98	459	30	31	61
Restaurant (15%)		112	5	5	10	130	13	11	24
Subtotal		1,115	56	52	108	589	43	42	85
Subtotal Existing Driveway Trips		**(6,316)**	**(318)**	**(294)**	**(612)**	**(3,338)**	**(241)**	**(235)**	**(476)**
NET INCREASE DRIVEWAY TRIPS		**(4,150)**	**(159)**	**(152)**	**(311)**	**(1,944)**	**(99)**	**(117)**	**(216)**
Proposed Pass-By Trips [7]									
Commercial Retail (50%)		(397)	(20)	(19)	(39)	(182)	(12)	(12)	(24)
Restaurant (20%)		(140)	(7)	(6)	(13)	(164)	(16)	(13)	(29)
Subtotal		(537)	(27)	(25)	(52)	(346)	(28)	(25)	(53)
Existing Pass-By Trips [8]									
Commercial Retail (30%)		1,705	86	80	166	780	50	53	103
Restaurant (20%)		127	6	6	12	148	15	12	27
Subtotal		1,832	92	86	178	928	65	65	130
NET INCREASE "OFF-SITE" TRIPS		**(2,855)**	**(94)**	**(91)**	**(185)**	**(1,362)**	**(62)**	**(77)**	**(139)**

[1] Source: ITE "Trip Generation Manual," 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 820 (Shopping Center) trip generation average rates.
- Saturday Daily Trip Rate: 46.12 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 4.50 trips/1,000 SF of leasable floor area; 52% inbound/48% outbound
- Sunday Daily Trip Rate: 21.10 trips/1,000 SF of leasable floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 2.79 trips/1,000 SF of leasable floor area; 49% inbound/51% outbound

[4] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- Saturday Daily Trip Rate: 122.40 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 11.19 trips/1,000 SF of floor area; 51% inbound/49% outbound
- Sunday Daily Trip Rate: 142.64 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 25.83 trips/1,000 SF of floor area; 55% inbound/45% outbound

[5] ITE Land Use Code 710 (General Office Building) trip generation average rates.
- Saturday Daily Trip Rate: 2.21 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Saturday Peak Hour Trip Rate: 0.53 trips/1,000 SF of floor area; 54% inbound/46% outbound
- Sunday Daily Trip Rate: 0.70 trips/1,000 SF of floor area; 50% inbound/50% outbound
- Sunday Peak Hour Trip Rate: 0.21 trips/1,000 SF of floor area; assume 58% inbound/42% outbound

[6] The Project Site is located within 1/4 mile of a Metro Rapid bus stop. The trip reduction for transit trips has been applied to the residential and commercial components of the project based on the "LADOT Transportation Impact Study Guidelines," December 2016 for developments within a 1/4 mile walking distance of a transit station or a RapidBus stop.
[7] The internal capture reduction for the commercial, restaurant, and supermarket uses are based on the synergy between all the land uses provided within the project site.
[8] Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the site. The trip reduction for pass-by trips has been applied to the commercial component of the project based on the LADOT Transportation Impact Study Guidelines," December 2016 for Shopping Center less than 50,000 sf, High-Turnover Restaurant, and Shopping Center 100,000 to less than 300,000 sf.

CITY OF LOS ANGELES VMT CALCULATOR Version 1.2

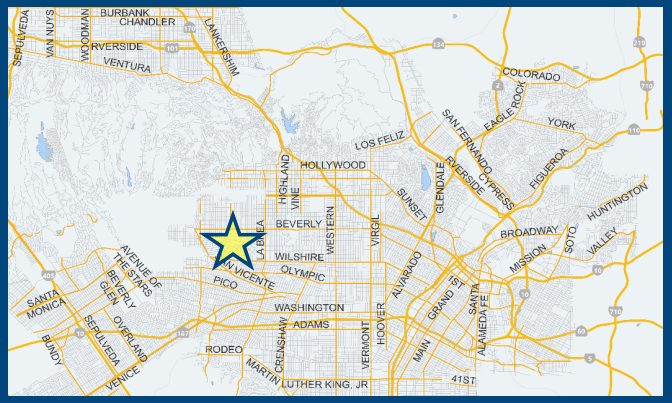
Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: 6300 W. 3rd Street Mixed-Use Project

Scenario: Alternative 4 - By-Right Retail/Office Alternative

Address: 6300 W 3RD ST, 90036



If the project is replacing an existing number of residential units with a smaller number of residential units, is the proposed project located within one-half mile of a fixed-rail or fixed-guideway transit station?

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	6.085	ksf
Retail | General Retail	144.963	ksf
Retail | High-Turnover Sit-Down Restaurant	6.085	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Office | General Office	396.994	ksf
Retail | General Retail	22.5	ksf
Retail | High-Turnover Sit-Down Restaurant	7.5	ksf
Office | General Office	396.994	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
4,696 Daily Vehicle Trips	3,579 Daily Vehicle Trips
32,405 Daily VMT	26,175 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	-1,117 Net Daily Trips
The net increase in daily VMT ≤ 0	-6,230 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	30.000 ksf

The proposed project is not required to perform VMT analysis.

Measuring the Miles

2/5/2020

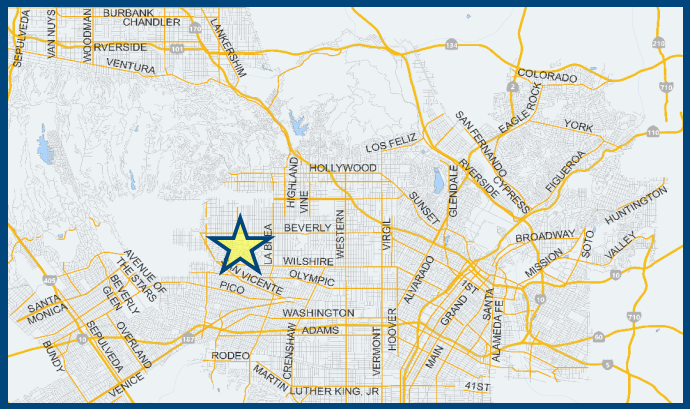
CITY OF LOS ANGELES VMT CALCULATOR Version 1.2

Project Information

Project: 6300 W. 3rd Street Mixed-Use Project

Scenario: Alternative 4 - By-Right Retail/Office Alternative

Address: 6300 W 3RD ST, 90036



Proposed Project Land Use Type	Value	Unit
Retail | General Retail	22.5	ksf
Retail | High-Turnover Sit-Down Restaurant	7.5	ksf
Office | General Office	396.994	ksf

TDM Strategies

Select each section to show individual strategies

Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

A Parking

Reduce Parking Supply

☐ Proposed Prj ☐ Mitigation

100 city code parking provision for the project site

74 actual parking provision for the project site

Unbundle Parking

☐ Proposed Prj ☐ Mitigation

150 monthly parking cost (dollar) for the project site

Parking Cash-Out

☐ Proposed Prj ☐ Mitigation

50 percent of employees eligible

Price Workplace Parking

☐ Proposed Prj ☐ Mitigation

6.00 daily parking charge (dollar)

25 percent of employees subject to priced parking

Residential Area Parking Permits

☐ Proposed Prj ☐ Mitigation

200 cost (dollar) of annual permit

B Transit

C Education & Encouragement

D Commute Trip Reductions

E Shared Mobility

F Bicycle Infrastructure

G Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
3,579 Daily Vehicle Trips	**3,579** Daily Vehicle Trips
26,175 Daily VMT	**26,175** Daily VMT
N/A Household VMT per Capita	**N/A** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: N/A Threshold = 6.0 15% Below APC	**Household: N/A** Threshold = 6.0 15% Below APC
Work: N/A Threshold = 7.6 15% Below APC	**Work: N/A** Threshold = 7.6 15% Below APC

Measuring the Miles

2/5/2020

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 4 - By-Right Retail/Office Alte
Project Address: 6300 W 3RD ST, 90036

Version 1.2

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	*0*	*DU*
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	*Family*	*0*	*DU*
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	General Retail	22.500	ksf
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	7.500	ksf
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	General Office	396.994	ksf
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 4 - By-Right Retail/Office Alte
Project Address: 6300 W 3RD ST, 90036

Version 1.2

Analysis Results			
Total Employees: 1,663 Total Population: 0			
Proposed Project		***With Mitigation***	
3,579	**Daily Vehicle Trips**	**3,579**	**Daily Vehicle Trips**
26,175	**Daily VMT**	**26,175**	**Daily VMT**
N/A	**Household VMT per Capita**	**N/A**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average Household = 6.0 Work = 7.6			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 6.0	N/A	Household > 6.0	N/A
Work > 7.6	N/A	Work > 7.6	N/A

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	*Reduce parking supply*	*City code parking provision (spaces)*	*0*	*0*
		Actual parking provision (spaces)	*0*	*0*
	Unbundle parking	*Monthly cost for parking ($)*	*$0*	*$0*
	Parking cash-out	*Employees eligible (%)*	*0%*	*0%*
	Price workplace parking	*Daily parking charge ($)*	*$0.00*	*$0.00*
		Employees subject to priced parking (%)	*0%*	*0%*
	Residential area parking permits	*Cost of annual permit ($)*	*$0*	*$0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	*Reduce transit headways*	*Reduction in headways (increase in frequency) (%)*	*0%*	*0%*
		Existing transit mode share (as a percent of total daily trips) (%)	*0%*	*0%*
		Lines within project site improved (<50%, >=50%)	*0*	*0*
	Implement neighborhood shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees and residents eligible (%)	*0%*	*0%*
	Transit subsidies	*Employees and residents eligible (%)*	*0%*	*0%*
		Amount of transit subsidy per passenger (daily equivalent) ($)	*$0.00*	*$0.00*
Education & Encouragement	*Voluntary travel behavior change program*	*Employees and residents participating (%)*	*0%*	*0%*
	Promotions and marketing	*Employees and residents participating (%)*	*0%*	*0%*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	*Required commute trip reduction program*	*Employees participating (%)*	*0%*	*0%*
	Alternative Work Schedules and Telecommute	*Employees participating (%)*	*0%*	*0%*
		Type of program	*0*	*0*
	Employer sponsored vanpool or shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees eligible (%)	*0%*	*0%*
		Employer size (small, medium, large)	*0*	*0*
	Ride-share program	*Employees eligible (%)*	*0%*	*0%*
Shared Mobility	*Car share*	*Car share project setting (Urban, Suburban, All Other)*	*0*	*0*
	Bike share	*Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)*	*0*	*0*
	School carpool program	*Level of implementation (Low, Medium, High)*	*0*	*0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/Improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	*Meets City Bike Parking Code (Yes/No)*	*0*	*0*
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Parking cash-out	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Price workplace parking	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Residential area parking permits	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	
Transit	Reduce transit headways	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Transit subsidies	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Education & Encouragement	Voluntary travel behavior change program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Commute Trip Reductions	Required commute trip reduction program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Employer sponsored vanpool or shuttle	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
	Ride-share program	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	
Shared Mobility	Car-share	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	
	School carpool program	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ Improve on-street bicycle facility	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
	Include secure bike parking and showers	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
Neighborhood Enhancement	Traffic calming improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*
MAX. TDM EFFECT	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

PLACE TYPE MAX:	*urban*	*75%*
	compact infill	*40%*
	suburban center	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,...). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: February 5, 2020
Project Name: 6300 W. 3rd Street Mixed-Use Project
Project Scenario: Alternative 4 - By-Right Retail/Office Alt
Project Address: 6300 W 3RD ST, 90036

Version 1.2

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	0	0.0%	0	6.6	0	0
Home Based Other Production	0	0.0%	0	5.1	0	0
Non-Home Based Other Production	791	-17.2%	655	6.9	5,458	4,520
Home-Based Work Attraction	2,077	-37.9%	1,289	8.2	17,031	10,570
Home-Based Other Attraction	1,685	-41.8%	980	6.9	11,627	6,762
Non-Home Based Other Attraction	791	-17.2%	655	6.6	5,221	4,323

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	0.0%	0	0	0.0%	0	0
Home Based Other Production	0.0%	0	0	0.0%	0	0
Non-Home Based Other Production	0.0%	655	4,520	0.0%	655	4,520
Home-Based Work Attraction	0.0%	1,289	10,570	0.0%	1,289	10,570
Home-Based Other Attraction	0.0%	980	6,762	0.0%	980	6,762
Non-Home Based Other Attraction	0.0%	655	4,323	0.0%	655	4,323

MXD VMT Methodology Per Capita & Per Employee

Total Population: 0
Total Employees: 1,663
APC: Central

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**0**	**0**
Total Home Based Work Attraction VMT	**10,570**	**10,570**
Total Home Based VMT Per Capita	**N/A**	**N/A**
Total Work Based VMT Per Employee	**N/A**	**N/A**

Retail/Office Alternative

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	396.99	1000sqft	3.15	396,994.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	977.00	Space	0.00	390,800.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Regional Shopping Center	22.50	1000sqft	0.00	22,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Retail/Office Alternative - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Alternative description per assumptions presented in Section V, Alternatives of the DEIR.

Construction Phase - Construction schedule assumes 32 months

Off-road Equipment - Architectural coating equipment per Applicant data and assumptions.

Off-road Equipment - Building construction equipment per Applicant data and assumptions.

Off-road Equipment - Construction equipment for grading per Applicant data and assumptions.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo haul trips based on 130 loads (260 trips) for asphalt debris (1,300 cy /10 cy haul capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 = 13,986 cy/16 cy hauling capacity).

Demolition - Building demo based on 151,048 sf of C&D debris (x.0.046 lbs/sf = 6,948 tons) plus 1,300 cy of asphalt debris (x2,400 lbs/cy = 1,560 tons) = 8508 tons.

Grading - Grading phase assumes 110,000 cy of export.

Vehicle Trips - Mobile source emissions based on LADOT's VMT Calculator. See CalEEMod Data Modifications sheet.

Construction Off-road Equipment Mitigation - Grading phase assumes compliance with AQMD Rule 403 (dust suppression) with watering the site 3X a day (=61% efficiency in dust suppression).

Area Mitigation - Application of low VOC architectural coatings is required by the LA Green Building Code.

Energy Mitigation -

Water Mitigation - water conservation assuemes low flow water fixtures as required by the LA Green Bldg Code.

Waste Mitigation - solid waste recycling is required by the LA Green Bldg Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	88.00

Retail/Office Alternative - South Coast AQMD Air District, Annual

tblConstructionPhase	NumDays	5.00	15.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	396,990.00	396,994.00
tblLandUse	LotAcreage	9.11	3.15
tblLandUse	LotAcreage	8.79	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	0.52	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	134.00	112.00
tblTripsAndVMT	WorkerTripNumber	25.00	60.00
tblTripsAndVMT	WorkerTripNumber	302.00	150.00
tblTripsAndVMT	WorkerTripNumber	60.00	87.00
tblVehicleTrips	CC_TL	8.40	7.31
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00

tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	1,782.00
tblVehicleTrips	ST_TR	0.00	537.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	1,174.00
tblVehicleTrips	SU_TR	0.00	346.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	3,579.00
tblVehicleTrips	WD_TR	0.00	454.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4237	5.7575	3.3595	0.0135	0.6119	0.1553	0.7672	0.2065	0.1453	0.3518	0.0000	1,262.9932	1,262.9932	0.1537	0.0000	1,266.8366
2022	0.3786	3.7351	3.4772	9.8200e-003	0.3057	0.1255	0.4312	0.0833	0.1190	0.2023	0.0000	890.8971	890.8971	0.1017	0.0000	893.4400
2023	2.2383	1.8762	2.1475	5.4000e-003	0.1532	0.0693	0.2225	0.0416	0.0654	0.1070	0.0000	485.7358	485.7358	0.0680	0.0000	487.4362
Maximum	**2.2383**	**5.7575**	**3.4772**	**0.0135**	**0.6119**	**0.1553**	**0.7672**	**0.2065**	**0.1453**	**0.3518**	**0.0000**	**1,262.9932**	**1,262.9932**	**0.1537**	**0.0000**	**1,266.8366**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4237	5.7575	3.3595	0.0135	0.4227	0.1553	0.5780	0.1308	0.1453	0.2761	0.0000	1,262.9927	1,262.9927	0.1537	0.0000	1,266.8361
2022	0.3785	3.7351	3.4772	9.8200e-003	0.3057	0.1255	0.4312	0.0833	0.1190	0.2023	0.0000	890.8967	890.8967	0.1017	0.0000	893.4396
2023	2.2383	1.8762	2.1475	5.4000e-003	0.1532	0.0693	0.2225	0.0416	0.0654	0.1070	0.0000	485.7355	485.7355	0.0680	0.0000	487.4359
Maximum	**2.2383**	**5.7575**	**3.4772**	**0.0135**	**0.4227**	**0.1553**	**0.5780**	**0.1308**	**0.1453**	**0.2761**	**0.0000**	**1,262.9927**	**1,262.9927**	**0.1537**	**0.0000**	**1,266.8361**

Retail/Office Alternative - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**17.67**	**0.00**	**13.32**	**22.85**	**0.00**	**11.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-15-2021**	**5-14-2021**	1.4935	1.4935
2	**5-15-2021**	**8-14-2021**	3.0895	3.0895
3	**8-15-2021**	**11-14-2021**	1.1287	1.1287
4	**11-15-2021**	**2-14-2022**	1.0840	1.0840
5	**2-15-2022**	**5-14-2022**	1.0011	1.0011
6	**5-15-2022**	**8-14-2022**	1.0337	1.0337
7	**8-15-2022**	**11-14-2022**	1.0348	1.0348
8	**11-15-2022**	**2-14-2023**	0.9687	0.9687
9	**2-15-2023**	**5-14-2023**	0.8685	0.8685
10	**5-15-2023**	**8-14-2023**	0.5163	0.5163
11	**8-15-2023**	**9-30-2023**	0.1650	0.1650
		Highest	3.0895	3.0895

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7732	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0349	0.0349	9.0000e-005	0.0000	0.0372
Energy	0.0318	0.2892	0.2430	1.7400e-003		0.0220	0.0220		0.0220	0.0220	0.0000	4,816.1369	4,816.1369	0.1123	0.0278	4,827.2203
Mobile	0.7912	3.7598	9.3779	0.0357	3.0179	0.0257	3.0436	0.8087	0.0239	0.8326	0.0000	3,305.4420	3,305.4420	0.1568	0.0000	3,309.3619
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	97.8579	0.0000	97.8579	5.7832	0.0000	242.4388
Water						0.0000	0.0000		0.0000	0.0000	23.6359	815.1172	838.7531	2.4469	0.0613	918.1942
Total	**2.6160**	**4.1372**	**9.6890**	**0.0375**	**3.0179**	**0.0506**	**3.0685**	**0.8087**	**0.0488**	**0.8575**	**121.4938**	**8,945.8701**	**9,067.3639**	**8.5006**	**0.0891**	**9,306.4235**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7732	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0349	0.0349	9.0000e-005	0.0000	0.0372
Energy	0.0318	0.2892	0.2430	1.7400e-003		0.0220	0.0220		0.0220	0.0220	0.0000	4,816.1369	4,816.1369	0.1123	0.0278	4,827.2203
Mobile	0.7912	3.7598	9.3779	0.0357	3.0179	0.0257	3.0436	0.8087	0.0239	0.8326	0.0000	3,305.4420	3,305.4420	0.1568	0.0000	3,309.3619
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	24.4645	0.0000	24.4645	1.4458	0.0000	60.6097
Water						0.0000	0.0000		0.0000	0.0000	18.9088	690.2932	709.2020	1.9584	0.0492	772.8330
Total	**2.6160**	**4.1372**	**9.6890**	**0.0375**	**3.0179**	**0.0506**	**3.0685**	**0.8087**	**0.0488**	**0.8575**	**43.3732**	**8,821.0462**	**8,864.4194**	**3.6747**	**0.0770**	**8,979.2333**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**64.30**	**1.40**	**2.24**	**56.77**	**13.55**	**3.52**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Paving	Paving	6/15/2023	10/16/2023	5	88	
6	Architectural Coating	Architectural Coating	10/17/2023	10/30/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 640,491; Non-Residential Outdoor: 213,497; Striped Parking Area: 23,448 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	89	0.20
Pre-Demolition Abatement	Generator Sets	2	8.00	84	0.74
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	10	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0563	0.0640	1.1000e-004		3.1400e-003	3.1400e-003		3.0900e-003	3.0900e-003	0.0000	9.4853	9.4853	7.6000e-004	0.0000	9.5043
Total	**6.3300e-003**	**0.0563**	**0.0640**	**1.1000e-004**	**0.0000**	**3.1400e-003**	**3.1400e-003**	**0.0000**	**3.0900e-003**	**3.0900e-003**	**0.0000**	**9.4853**	**9.4853**	**7.6000e-004**	**0.0000**	**9.5043**

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	**2.9000e-004**	**1.6500e-003**	**2.4100e-003**	**1.0000e-005**	**7.6000e-004**	**0.0000**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**1.0112**	**1.0112**	**5.0000e-005**	**0.0000**	**1.0123**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0563	0.0640	1.1000e-004		3.1400e-003	3.1400e-003		3.0900e-003	3.0900e-003	0.0000	9.4853	9.4853	7.6000e-004	0.0000	9.5042
Total	**6.3300e-003**	**0.0563**	**0.0640**	**1.1000e-004**	**0.0000**	**3.1400e-003**	**3.1400e-003**	**0.0000**	**3.0900e-003**	**3.0900e-003**	**0.0000**	**9.4853**	**9.4853**	**7.6000e-004**	**0.0000**	**9.5042**

3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	**2.9000e-004**	**1.6500e-003**	**2.4100e-003**	**1.0000e-005**	**7.6000e-004**	**0.0000**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**1.0112**	**1.0112**	**5.0000e-005**	**0.0000**	**1.0123**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0910	0.0000	0.0910	0.0138	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8017	74.8017	0.0211	0.0000	75.3281
Total	**0.0696**	**0.6917**	**0.4744**	**8.5000e-004**	**0.0910**	**0.0341**	**0.1252**	**0.0138**	**0.0317**	**0.0455**	**0.0000**	**74.8017**	**74.8017**	**0.0211**	**0.0000**	**75.3281**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1861	0.0362	4.7000e-004	9.5000e-003	4.5000e-004	9.9600e-003	2.6100e-003	4.3000e-004	3.0400e-003	0.0000	45.8596	45.8596	3.5900e-003	0.0000	45.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1537	3.1537	8.0000e-005	0.0000	3.1558
Total	**6.2000e-003**	**0.1871**	**0.0477**	**5.0000e-004**	**0.0131**	**4.8000e-004**	**0.0136**	**3.5700e-003**	**4.6000e-004**	**4.0300e-003**	**0.0000**	**49.0133**	**49.0133**	**3.6700e-003**	**0.0000**	**49.1052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0355	0.0000	0.0355	5.3800e-003	0.0000	5.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8016	74.8016	0.0211	0.0000	75.3280
Total	**0.0696**	**0.6917**	**0.4744**	**8.5000e-004**	**0.0355**	**0.0341**	**0.0696**	**5.3800e-003**	**0.0317**	**0.0371**	**0.0000**	**74.8016**	**74.8016**	**0.0211**	**0.0000**	**75.3280**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1861	0.0362	4.7000e-004	9.5000e-003	4.5000e-004	9.9600e-003	2.6100e-003	4.3000e-004	3.0400e-003	0.0000	45.8596	45.8596	3.5900e-003	0.0000	45.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1537	3.1537	8.0000e-005	0.0000	3.1558
Total	**6.2000e-003**	**0.1871**	**0.0477**	**5.0000e-004**	**0.0131**	**4.8000e-004**	**0.0136**	**3.5700e-003**	**4.6000e-004**	**4.0300e-003**	**0.0000**	**49.0133**	**49.0133**	**3.6700e-003**	**0.0000**	**49.1052**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2192	0.0000	0.2192	0.1104	0.0000	0.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1061	1.1323	0.8060	1.6000e-003		0.0508	0.0508		0.0467	0.0467	0.0000	140.9356	140.9356	0.0456	0.0000	142.0752
Total	**0.1061**	**1.1323**	**0.8060**	**1.6000e-003**	**0.2192**	**0.0508**	**0.2699**	**0.1104**	**0.0467**	**0.1571**	**0.0000**	**140.9356**	**140.9356**	**0.0456**	**0.0000**	**142.0752**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0583	2.0218	0.4388	6.1300e-003	0.1418	6.4600e-003	0.1483	0.0389	6.1800e-003	0.0451	0.0000	601.9455	601.9455	0.0398	0.0000	602.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1300e-003	6.0100e-003	0.0680	2.1000e-004	0.0214	1.6000e-004	0.0216	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	18.6354	18.6354	5.0000e-004	0.0000	18.6479
Total	**0.0664**	**2.0278**	**0.5067**	**6.3400e-003**	**0.1632**	**6.6200e-003**	**0.1698**	**0.0446**	**6.3300e-003**	**0.0509**	**0.0000**	**620.5809**	**620.5809**	**0.0403**	**0.0000**	**621.5893**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0855	0.0000	0.0855	0.0431	0.0000	0.0431	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1061	1.1323	0.8060	1.6000e-003		0.0508	0.0508		0.0467	0.0467	0.0000	140.9355	140.9355	0.0456	0.0000	142.0750
Total	**0.1061**	**1.1323**	**0.8060**	**1.6000e-003**	**0.0855**	**0.0508**	**0.1363**	**0.0431**	**0.0467**	**0.0898**	**0.0000**	**140.9355**	**140.9355**	**0.0456**	**0.0000**	**142.0750**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0583	2.0218	0.4388	6.1300e-003	0.1418	6.4600e-003	0.1483	0.0389	6.1800e-003	0.0451	0.0000	601.9455	601.9455	0.0398	0.0000	602.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1300e-003	6.0100e-003	0.0680	2.1000e-004	0.0214	1.6000e-004	0.0216	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	18.6354	18.6354	5.0000e-004	0.0000	18.6479
Total	**0.0664**	**2.0278**	**0.5067**	**6.3400e-003**	**0.1632**	**6.6200e-003**	**0.1698**	**0.0446**	**6.3300e-003**	**0.0509**	**0.0000**	**620.5809**	**620.5809**	**0.0403**	**0.0000**	**621.5893**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2649	146.2649	0.0311	0.0000	147.0419
Total	**0.1188**	**1.0617**	**1.0388**	**1.7100e-003**		**0.0584**	**0.0584**		**0.0553**	**0.0553**	**0.0000**	**146.2649**	**146.2649**	**0.0311**	**0.0000**	**147.0419**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5744	0.1424	1.5000e-003	0.0374	1.1600e-003	0.0386	0.0108	1.1100e-003	0.0119	0.0000	144.9254	144.9254	9.1700e-003	0.0000	145.1545
Worker	0.0331	0.0245	0.2770	8.4000e-004	0.0872	6.5000e-004	0.0879	0.0232	6.0000e-004	0.0238	0.0000	75.9750	75.9750	2.0400e-003	0.0000	76.0259
Total	**0.0500**	**0.5989**	**0.4194**	**2.3400e-003**	**0.1246**	**1.8100e-003**	**0.1265**	**0.0340**	**1.7100e-003**	**0.0357**	**0.0000**	**220.9003**	**220.9003**	**0.0112**	**0.0000**	**221.1804**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2647	146.2647	0.0311	0.0000	147.0417
Total	**0.1188**	**1.0617**	**1.0388**	**1.7100e-003**		**0.0584**	**0.0584**		**0.0553**	**0.0553**	**0.0000**	**146.2647**	**146.2647**	**0.0311**	**0.0000**	**147.0417**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5744	0.1424	1.5000e-003	0.0374	1.1600e-003	0.0386	0.0108	1.1100e-003	0.0119	0.0000	144.9254	144.9254	9.1700e-003	0.0000	145.1545
Worker	0.0331	0.0245	0.2770	8.4000e-004	0.0872	6.5000e-004	0.0879	0.0232	6.0000e-004	0.0238	0.0000	75.9750	75.9750	2.0400e-003	0.0000	76.0259
Total	**0.0500**	**0.5989**	**0.4194**	**2.3400e-003**	**0.1246**	**1.8100e-003**	**0.1265**	**0.0340**	**1.7100e-003**	**0.0357**	**0.0000**	**220.9003**	**220.9003**	**0.0112**	**0.0000**	**221.1804**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8772	358.8772	0.0756	0.0000	360.7665
Total	**0.2634**	**2.3450**	**2.5196**	**4.1900e-003**		**0.1214**	**0.1214**		**0.1152**	**0.1152**	**0.0000**	**358.8772**	**358.8772**	**0.0756**	**0.0000**	**360.7665**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3359	0.3301	3.6400e-003	0.0918	2.4600e-003	0.0942	0.0265	2.3500e-003	0.0288	0.0000	352.3475	352.3475	0.0216	0.0000	352.8883
Worker	0.0763	0.0543	0.6275	1.9900e-003	0.2139	1.5600e-003	0.2155	0.0568	1.4400e-003	0.0583	0.0000	179.6724	179.6724	4.5100e-003	0.0000	179.7853
Total	**0.1152**	**1.3901**	**0.9576**	**5.6300e-003**	**0.3057**	**4.0200e-003**	**0.3097**	**0.0833**	**3.7900e-003**	**0.0871**	**0.0000**	**532.0199**	**532.0199**	**0.0261**	**0.0000**	**532.6736**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8768	358.8768	0.0756	0.0000	360.7660
Total	**0.2634**	**2.3450**	**2.5196**	**4.1900e-003**		**0.1214**	**0.1214**		**0.1152**	**0.1152**	**0.0000**	**358.8768**	**358.8768**	**0.0756**	**0.0000**	**360.7660**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3359	0.3301	3.6400e-003	0.0918	2.4600e-003	0.0942	0.0265	2.3500e-003	0.0288	0.0000	352.3475	352.3475	0.0216	0.0000	352.8883
Worker	0.0763	0.0543	0.6275	1.9900e-003	0.2139	1.5600e-003	0.2155	0.0568	1.4400e-003	0.0583	0.0000	179.6724	179.6724	4.5100e-003	0.0000	179.7853
Total	**0.1152**	**1.3901**	**0.9576**	**5.6300e-003**	**0.3057**	**4.0200e-003**	**0.3097**	**0.0833**	**3.7900e-003**	**0.0871**	**0.0000**	**532.0199**	**532.0199**	**0.0261**	**0.0000**	**532.6736**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9220	162.9220	0.0340	0.0000	163.7708
Total	**0.1106**	**0.9821**	**1.1362**	**1.9000e-003**		**0.0477**	**0.0477**		**0.0453**	**0.0453**	**0.0000**	**162.9220**	**162.9220**	**0.0340**	**0.0000**	**163.7708**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4562	0.1340	1.6000e-003	0.0417	5.2000e-004	0.0422	0.0120	5.0000e-004	0.0125	0.0000	155.0914	155.0914	8.5400e-003	0.0000	155.3048
Worker	0.0326	0.0223	0.2626	8.7000e-004	0.0971	6.9000e-004	0.0978	0.0258	6.3000e-004	0.0264	0.0000	78.5025	78.5025	1.8500e-003	0.0000	78.5487
Total	**0.0458**	**0.4785**	**0.3965**	**2.4700e-003**	**0.1388**	**1.2100e-003**	**0.1400**	**0.0378**	**1.1300e-003**	**0.0389**	**0.0000**	**233.5939**	**233.5939**	**0.0104**	**0.0000**	**233.8535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9218	162.9218	0.0340	0.0000	163.7706
Total	**0.1106**	**0.9821**	**1.1362**	**1.9000e-003**		**0.0477**	**0.0477**		**0.0453**	**0.0453**	**0.0000**	**162.9218**	**162.9218**	**0.0340**	**0.0000**	**163.7706**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4562	0.1340	1.6000e-003	0.0417	5.2000e-004	0.0422	0.0120	5.0000e-004	0.0125	0.0000	155.0914	155.0914	8.5400e-003	0.0000	155.3048
Worker	0.0326	0.0223	0.2626	8.7000e-004	0.0971	6.9000e-004	0.0978	0.0258	6.3000e-004	0.0264	0.0000	78.5025	78.5025	1.8500e-003	0.0000	78.5487
Total	**0.0458**	**0.4785**	**0.3965**	**2.4700e-003**	**0.1388**	**1.2100e-003**	**0.1400**	**0.0378**	**1.1300e-003**	**0.0389**	**0.0000**	**233.5939**	**233.5939**	**0.0104**	**0.0000**	**233.8535**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0404	0.3868	0.5364	8.3000e-004		0.0192	0.0192		0.0177	0.0177	0.0000	72.0658	72.0658	0.0226	0.0000	72.6319
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.3868**	**0.5364**	**8.3000e-004**		**0.0192**	**0.0192**		**0.0177**	**0.0177**	**0.0000**	**72.0658**	**72.0658**	**0.0226**	**0.0000**	**72.6319**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2400e-003	2.2200e-003	0.0261	9.0000e-005	9.6500e-003	7.0000e-005	9.7200e-003	2.5600e-003	6.0000e-005	2.6300e-003	0.0000	7.8059	7.8059	1.8000e-004	0.0000	7.8105
Total	**3.2400e-003**	**2.2200e-003**	**0.0261**	**9.0000e-005**	**9.6500e-003**	**7.0000e-005**	**9.7200e-003**	**2.5600e-003**	**6.0000e-005**	**2.6300e-003**	**0.0000**	**7.8059**	**7.8059**	**1.8000e-004**	**0.0000**	**7.8105**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0404	0.3868	0.5364	8.3000e-004		0.0192	0.0192		0.0177	0.0177	0.0000	72.0657	72.0657	0.0226	0.0000	72.6318
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.3868**	**0.5364**	**8.3000e-004**		**0.0192**	**0.0192**		**0.0177**	**0.0177**	**0.0000**	**72.0657**	**72.0657**	**0.0226**	**0.0000**	**72.6318**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2400e-003	2.2200e-003	0.0261	9.0000e-005	9.6500e-003	7.0000e-005	9.7200e-003	2.5600e-003	6.0000e-005	2.6300e-003	0.0000	7.8059	7.8059	1.8000e-004	0.0000	7.8105
Total	**3.2400e-003**	**2.2200e-003**	**0.0261**	**9.0000e-005**	**9.6500e-003**	**7.0000e-005**	**9.7200e-003**	**2.5600e-003**	**6.0000e-005**	**2.6300e-003**	**0.0000**	**7.8059**	**7.8059**	**1.8000e-004**	**0.0000**	**7.8105**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2600e-003	0.0255	0.0395	6.0000e-005		1.1700e-003	1.1700e-003		1.1600e-003	1.1600e-003	0.0000	5.4896	5.4896	7.7000e-004	0.0000	5.5087
Total	**2.0367**	**0.0255**	**0.0395**	**6.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**5.4896**	**5.4896**	**7.7000e-004**	**0.0000**	**5.5087**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0129	4.0000e-005	4.7700e-003	3.0000e-005	4.8100e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	3.8586	3.8586	9.0000e-005	0.0000	3.8609
Total	**1.6000e-003**	**1.0900e-003**	**0.0129**	**4.0000e-005**	**4.7700e-003**	**3.0000e-005**	**4.8100e-003**	**1.2700e-003**	**3.0000e-005**	**1.3000e-003**	**0.0000**	**3.8586**	**3.8586**	**9.0000e-005**	**0.0000**	**3.8609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2600e-003	0.0255	0.0395	6.0000e-005		1.1700e-003	1.1700e-003		1.1600e-003	1.1600e-003	0.0000	5.4895	5.4895	7.7000e-004	0.0000	5.5087
Total	**2.0367**	**0.0255**	**0.0395**	**6.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**5.4895**	**5.4895**	**7.7000e-004**	**0.0000**	**5.5087**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0129	4.0000e-005	4.7700e-003	3.0000e-005	4.8100e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	3.8586	3.8586	9.0000e-005	0.0000	3.8609
Total	**1.6000e-003**	**1.0900e-003**	**0.0129**	**4.0000e-005**	**4.7700e-003**	**3.0000e-005**	**4.8100e-003**	**1.2700e-003**	**3.0000e-005**	**1.3000e-003**	**0.0000**	**3.8586**	**3.8586**	**9.0000e-005**	**0.0000**	**3.8609**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7912	3.7598	9.3779	0.0357	3.0179	0.0257	3.0436	0.8087	0.0239	0.8326	0.0000	3,305.4420	3,305.4420	0.1568	0.0000	3,309.3619
Unmitigated	0.7912	3.7598	9.3779	0.0357	3.0179	0.0257	3.0436	0.8087	0.0239	0.8326	0.0000	3,305.4420	3,305.4420	0.1568	0.0000	3,309.3619

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	3,579.00	1,782.00	1174.00	7,925,882	7,925,882
User Defined Parking	454.00	537.00	346.00	16,396	16,396
Total	4,033.00	2,319.00	1,520.00	7,942,278	7,942,278

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
User Defined Commercial	0.00	7.31	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
General Office Building	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Retail/Office Alternative - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,501.2741	4,501.2741	0.1063	0.0220	4,510.4864
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,501.2741	4,501.2741	0.1063	0.0220	4,510.4864
NaturalGas Mitigated	0.0318	0.2892	0.2430	1.7400e-003		0.0220	0.0220		0.0220	0.0220	0.0000	314.8629	314.8629	6.0300e-003	5.7700e-003	316.7340
NaturalGas Unmitigated	0.0318	0.2892	0.2430	1.7400e-003		0.0220	0.0220		0.0220	0.0220	0.0000	314.8629	314.8629	6.0300e-003	5.7700e-003	316.7340

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	4.13271e+006	0.0223	0.2026	0.1702	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.5370	220.5370	4.2300e-003	4.0400e-003	221.8476
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	36900	2.0000e-004	1.8100e-003	1.5200e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9691	1.9691	4.0000e-005	4.0000e-005	1.9808
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0318**	**0.2892**	**0.2430**	**1.7400e-003**		**0.0220**	**0.0220**		**0.0220**	**0.0220**	**0.0000**	**314.8629**	**314.8629**	**6.0400e-003**	**5.7700e-003**	**316.7340**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	4.13271e+006	0.0223	0.2026	0.1702	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.5370	220.5370	4.2300e-003	4.0400e-003	221.8476
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	36900	2.0000e-004	1.8100e-003	1.5200e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9691	1.9691	4.0000e-005	4.0000e-005	1.9808
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0318**	**0.2892**	**0.2430**	**1.7400e-003**		**0.0220**	**0.0220**		**0.0220**	**0.0220**	**0.0000**	**314.8629**	**314.8629**	**6.0400e-003**	**5.7700e-003**	**316.7340**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.29009e+006	1,275.4909	0.0301	6.2300e-003	1,278.1014
General Office Building	5.15695e+006	2,872.2239	0.0678	0.0140	2,878.1022
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	303750	169.1771	4.0000e-003	8.3000e-004	169.5233
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**4,501.2741**	**0.1063**	**0.0220**	**4,510.4864**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.29009e+006	1,275.4909	0.0301	6.2300e-003	1,278.1014
General Office Building	5.15695e+006	2,872.2239	0.0678	0.0140	2,878.1022
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	303750	169.1771	4.0000e-003	8.3000e-004	169.5233
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**4,501.2741**	**0.1063**	**0.0220**	**4,510.4864**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7732	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0349	0.0349	9.0000e-005	0.0000	0.0372
Unmitigated	1.7732	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0349	0.0349	9.0000e-005	0.0000	0.0372

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2034					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0349	0.0349	9.0000e-005	0.0000	0.0372
Total	**1.7732**	**1.6000e-004**	**0.0179**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0349**	**0.0349**	**9.0000e-005**	**0.0000**	**0.0372**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2034					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0349	0.0349	9.0000e-005	0.0000	0.0372
Total	**1.7732**	**1.6000e-004**	**0.0179**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0349**	**0.0349**	**9.0000e-005**	**0.0000**	**0.0372**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Retail/Office Alternative - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	709.2020	1.9584	0.0492	772.8330
Unmitigated	838.7531	2.4469	0.0613	918.1942

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	70.5585 / 43.2455	801.6858	2.3176	0.0581	876.9373
High Turnover (Sit Down Restaurant)	2.2765 / 0.145309	18.1310	0.0746	1.8400e-003	20.5431
Regional Shopping Center	1.66663 / 1.02148	18.9363	0.0547	1.3700e-003	20.7138
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**838.7531**	**2.4469**	**0.0613**	**918.1942**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	56.4468 / 40.6076	678.5446	1.8549	0.0467	738.8219
High Turnover (Sit Down Restaurant)	1.8212 / 0.136445	14.6298	0.0597	1.4700e-003	16.5597
Regional Shopping Center	1.33331 / 0.959173	16.0276	0.0438	1.1000e-003	17.4514
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**709.2020**	**1.9584**	**0.0492**	**772.8330**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.4645	1.4458	0.0000	60.6097
Unmitigated	97.8579	5.7832	0.0000	242.4388

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	369.2	74.9443	4.4291	0.0000	185.6712
High Turnover (Sit Down Restaurant)	89.25	18.1169	1.0707	0.0000	44.8840
Regional Shopping Center	23.63	4.7967	0.2835	0.0000	11.8836
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**97.8579**	**5.7832**	**0.0000**	**242.4388**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	92.3	18.7361	1.1073	0.0000	46.4178
High Turnover (Sit Down Restaurant)	22.3125	4.5292	0.2677	0.0000	11.2210
Regional Shopping Center	5.9075	1.1992	0.0709	0.0000	2.9709
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**24.4645**	**1.4458**	**0.0000**	**60.6097**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Total	**0.0197**	**0.0881**	**0.0502**	**9.0000e-005**		**2.9000e-003**	**2.9000e-003**		**2.9000e-003**	**2.9000e-003**	**0.0000**	**9.1391**	**9.1391**	**1.2800e-003**	**0.0000**	**9.1712**

11.0 Vegetation

Retail/Office Alternative

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	396.99	1000sqft	3.15	396,994.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	977.00	Space	0.00	390,800.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Regional Shopping Center	22.50	1000sqft	0.00	22,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Alternative description per assumptions presented in Section V, Alternatives of the DEIR.

Construction Phase - Construction schedule assumes 32 months

Off-road Equipment - Architectural coating equipment per Applicant data and assumptions.

Off-road Equipment - Building construction equipment per Applicant data and assumptions.

Off-road Equipment - Construction equipment for grading per Applicant data and assumptions.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo haul trips based on 130 loads (260 trips) for asphalt debris (1,300 cy /10 cy haul capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 = 13,986 cy/16 cy hauling capacity).

Demolition - Building demo based on 151,048 sf of C&D debris (x.0.046 lbs/sf = 6,948 tons) plus 1,300 cy of asphalt debris (x2,400 lbs/cy = 1,560 tons) = 8508 tons.

Grading - Grading phase assumes 110,000 cy of export.

Vehicle Trips - Mobile source emissions based on LADOT's VMT Calculator. See CalEEMod Data Modifications sheet.

Construction Off-road Equipment Mitigation - Grading phase assumes compliance with AQMD Rule 403 (dust suppression) with watering the site 3X a day (=61% efficiency in dust suppression).

Area Mitigation - Application of low VOC architectural coatings is required by the LA Green Building Code.

Energy Mitigation -

Water Mitigation - water conservation assuemes low flow water fixtures as required by the LA Green Bldg Code.

Waste Mitigation - solid waste recycling is required by the LA Green Bldg Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	88.00

Retail/Office Alternative - South Coast AQMD Air District, Winter

tblConstructionPhase	NumDays	5.00	15.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	396,990.00	396,994.00
tblLandUse	LotAcreage	9.11	3.15
tblLandUse	LotAcreage	8.79	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	0.52	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	134.00	112.00
tblTripsAndVMT	WorkerTripNumber	25.00	60.00
tblTripsAndVMT	WorkerTripNumber	302.00	150.00
tblTripsAndVMT	WorkerTripNumber	60.00	87.00
tblVehicleTrips	CC_TL	8.40	7.31
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00

tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	1,782.00
tblVehicleTrips	ST_TR	0.00	537.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	1,174.00
tblVehicleTrips	SU_TR	0.00	346.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	3,579.00
tblVehicleTrips	WD_TR	0.00	454.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.3575	96.1472	40.7974	0.2424	11.8492	1.7671	13.6163	4.7896	1.6331	6.4227	0.0000	25,629.6401	25,629.6401	2.9418	0.0000	25,703.1850
2022	2.9843	28.5438	26.7512	0.0748	2.3935	0.9654	3.3589	0.6510	0.9158	1.5668	0.0000	7,477.4139	7,477.4139	0.8691	0.0000	7,499.1412
2023	407.7003	24.6289	25.9486	0.0734	2.3935	0.8292	3.2226	0.6510	0.7865	1.4376	0.0000	7,334.7062	7,334.7062	0.8333	0.0000	7,355.5393
Maximum	**407.7003**	**96.1472**	**40.7974**	**0.2424**	**11.8492**	**1.7671**	**13.6163**	**4.7896**	**1.6331**	**6.4227**	**0.0000**	**25,629.6401**	**25,629.6401**	**2.9418**	**0.0000**	**25,703.1850**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.3575	96.1472	40.7974	0.2424	7.7355	1.7671	9.5026	2.7178	1.6331	4.3508	0.0000	25,629.6401	25,629.6401	2.9418	0.0000	25,703.1850
2022	2.9843	28.5438	26.7512	0.0748	2.3935	0.9654	3.3589	0.6510	0.9158	1.5668	0.0000	7,477.4139	7,477.4139	0.8691	0.0000	7,499.1412
2023	407.7003	24.6289	25.9486	0.0734	2.3935	0.8292	3.2226	0.6510	0.7865	1.4376	0.0000	7,334.7062	7,334.7062	0.8333	0.0000	7,355.5393
Maximum	**407.7003**	**96.1472**	**40.7974**	**0.2424**	**7.7355**	**1.7671**	**9.5026**	**2.7178**	**1.6331**	**4.3508**	**0.0000**	**25,629.6401**	**25,629.6401**	**2.9418**	**0.0000**	**25,703.1850**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**24.73**	**0.00**	**20.37**	**34.01**	**0.00**	**21.98**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Energy	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927
Mobile	5.3530	24.4126	61.0903	0.2321	20.2912	0.1705	20.4617	5.4289	0.1585	5.5875		23,677.0828	23,677.0828	1.1514		23,705.8689
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**18.5299**	**40.6762**	**70.9339**	**0.2574**	**20.2912**	**0.7743**	**21.0655**	**5.4289**	**0.7623**	**6.1912**		**27,258.2100**	**27,258.2100**	**1.4241**	**0.0349**	**27,304.2027**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Energy	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927
Mobile	5.3530	24.4126	61.0903	0.2321	20.2912	0.1705	20.4617	5.4289	0.1585	5.5875		23,677.0828	23,677.0828	1.1514		23,705.8689
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**18.5299**	**40.6762**	**70.9339**	**0.2574**	**20.2912**	**0.7743**	**21.0655**	**5.4289**	**0.7623**	**6.1912**		**27,258.2100**	**27,258.2100**	**1.4241**	**0.0349**	**27,304.2027**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Retail/Office Alternative - South Coast AQMD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Paving	Paving	6/15/2023	10/16/2023	5	88	
6	Architectural Coating	Architectural Coating	10/17/2023	10/30/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 640,491; Non-Residential Outdoor: 213,497; Striped Parking Area: 23,448 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	89	0.20
Pre-Demolition Abatement	Generator Sets	2	8.00	84	0.74
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	10	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125		1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**		**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7300e-003	0.1927	0.0440	5.9000e-004	0.0140	6.3000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		63.7491	63.7491	4.3500e-003		63.8578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	**0.0426**	**0.2166**	**0.3149**	**1.4200e-003**	**0.1034**	**1.2900e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**146.6026**	**146.6026**	**6.5700e-003**		**146.7667**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125	0.0000	1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**	**0.0000**	**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7300e-003	0.1927	0.0440	5.9000e-004	0.0140	6.3000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		63.7491	63.7491	4.3500e-003		63.8578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	**0.0426**	**0.2166**	**0.3149**	**1.4200e-003**	**0.1034**	**1.2900e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**146.6026**	**146.6026**	**6.5700e-003**		**146.7667**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**4.1378**	**1.5513**	**5.6891**	**0.6265**	**1.4411**	**2.0676**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2246	8.2971	1.7471	0.0209	0.4390	0.0209	0.4600	0.1204	0.0200	0.1404		2,257.1830	2,257.1830	0.1861		2,261.8342
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.2938**	**8.3420**	**2.2549**	**0.0224**	**0.6067**	**0.0222**	**0.6289**	**0.1648**	**0.0212**	**0.1860**		**2,412.5331**	**2,412.5331**	**0.1902**		**2,417.2885**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.6137**	**1.5513**	**3.1651**	**0.2443**	**1.4411**	**1.6854**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2246	8.2971	1.7471	0.0209	0.4390	0.0209	0.4600	0.1204	0.0200	0.1404		2,257.1830	2,257.1830	0.1861		2,261.8342
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.2938**	**8.3420**	**2.2549**	**0.0224**	**0.6067**	**0.0222**	**0.6289**	**0.1648**	**0.0212**	**0.1860**		**2,412.5331**	**2,412.5331**	**0.1902**		**2,417.2885**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7437	0.0000	6.7437	3.3965	0.0000	3.3965			0.0000			0.0000
Off-Road	3.2632	34.8391	24.7991	0.0494		1.5621	1.5621		1.4371	1.4371		4,780.1518	4,780.1518	1.5460		4,818.8017
Total	**3.2632**	**34.8391**	**24.7991**	**0.0494**	**6.7437**	**1.5621**	**8.3058**	**3.3965**	**1.4371**	**4.8336**		**4,780.1518**	**4,780.1518**	**1.5460**		**4,818.8017**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8176	61.1282	13.9670	0.1869	4.4348	0.2001	4.6349	1.2153	0.1915	1.4067		20,228.0876	20,228.0876	1.3792		20,262.5662
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2767	0.1798	2.0312	6.2400e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		621.4007	621.4007	0.0167		621.8171
Total	**2.0943**	**61.3081**	**15.9983**	**0.1931**	**5.1054**	**0.2051**	**5.3105**	**1.3931**	**0.1960**	**1.5891**		**20,849.4883**	**20,849.4883**	**1.3958**		**20,884.3833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6301	0.0000	2.6301	1.3246	0.0000	1.3246			0.0000			0.0000
Off-Road	3.2632	34.8391	24.7991	0.0494		1.5621	1.5621		1.4371	1.4371	0.0000	4,780.1518	4,780.1518	1.5460		4,818.8017
Total	**3.2632**	**34.8391**	**24.7991**	**0.0494**	**2.6301**	**1.5621**	**4.1921**	**1.3246**	**1.4371**	**2.7617**	**0.0000**	**4,780.1518**	**4,780.1518**	**1.5460**		**4,818.8017**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8176	61.1282	13.9670	0.1869	4.4348	0.2001	4.6349	1.2153	0.1915	1.4067		20,228.0876	20,228.0876	1.3792		20,262.5662
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2767	0.1798	2.0312	6.2400e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		621.4007	621.4007	0.0167		621.8171
Total	**2.0943**	**61.3081**	**15.9983**	**0.1931**	**5.1054**	**0.2051**	**5.3105**	**1.3931**	**0.1960**	**1.5891**		**20,849.4883**	**20,849.4883**	**1.3958**		**20,884.3833**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**		**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3281	10.6482	2.8366	0.0278	0.7168	0.0222	0.7390	0.2064	0.0212	0.2276		2,962.9622	2,962.9622	0.1983		2,967.9183
Worker	0.6918	0.4495	5.0781	0.0156	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,553.5018	1,553.5018	0.0416		1,554.5427
Total	**1.0198**	**11.0977**	**7.9147**	**0.0434**	**2.3935**	**0.0345**	**2.4280**	**0.6510**	**0.0326**	**0.6836**		**4,516.4640**	**4,516.4640**	**0.2399**		**4,522.4610**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**	**0.0000**	**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3281	10.6482	2.8366	0.0278	0.7168	0.0222	0.7390	0.2064	0.0212	0.2276		2,962.9622	2,962.9622	0.1983		2,967.9183
Worker	0.6918	0.4495	5.0781	0.0156	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,553.5018	1,553.5018	0.0416		1,554.5427
Total	**1.0198**	**11.0977**	**7.9147**	**0.0434**	**2.3935**	**0.0345**	**2.4280**	**0.6510**	**0.0326**	**0.6836**		**4,516.4640**	**4,516.4640**	**0.2399**		**4,522.4610**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**		**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3078	10.0992	2.6823	0.0275	0.7168	0.0193	0.7361	0.2064	0.0184	0.2248		2,936.5753	2,936.5753	0.1907		2,941.3432
Worker	0.6506	0.4060	4.6871	0.0150	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,497.8048	1,497.8048	0.0376		1,498.7447
Total	**0.9584**	**10.5052**	**7.3694**	**0.0425**	**2.3935**	**0.0312**	**2.4247**	**0.6510**	**0.0295**	**0.6805**		**4,434.3801**	**4,434.3801**	**0.2283**		**4,440.0879**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**	**0.0000**	**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3078	10.0992	2.6823	0.0275	0.7168	0.0193	0.7361	0.2064	0.0184	0.2248		2,936.5753	2,936.5753	0.1907		2,941.3432
Worker	0.6506	0.4060	4.6871	0.0150	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,497.8048	1,497.8048	0.0376		1,498.7447
Total	**0.9584**	**10.5052**	**7.3694**	**0.0425**	**2.3935**	**0.0312**	**2.4247**	**0.6510**	**0.0295**	**0.6805**		**4,434.3801**	**4,434.3801**	**0.2283**		**4,440.0879**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**		**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2297	7.6165	2.3718	0.0266	0.7168	9.0400e-003	0.7259	0.2064	8.6400e-003	0.2150		2,848.8506	2,848.8506	0.1651		2,852.9785
Worker	0.6136	0.3672	4.3199	0.0145	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,441.9447	1,441.9447	0.0339		1,442.7915
Total	**0.8433**	**7.9837**	**6.6917**	**0.0411**	**2.3935**	**0.0207**	**2.4142**	**0.6510**	**0.0194**	**0.6704**		**4,290.7952**	**4,290.7952**	**0.1990**		**4,295.7700**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**	**0.0000**	**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2297	7.6165	2.3718	0.0266	0.7168	9.0400e-003	0.7259	0.2064	8.6400e-003	0.2150		2,848.8506	2,848.8506	0.1651		2,852.9785
Worker	0.6136	0.3672	4.3199	0.0145	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,441.9447	1,441.9447	0.0339		1,442.7915
Total	**0.8433**	**7.9837**	**6.6917**	**0.0411**	**2.3935**	**0.0207**	**2.4142**	**0.6510**	**0.0194**	**0.6704**		**4,290.7952**	**4,290.7952**	**0.1990**		**4,295.7700**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	406.6916					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**407.3445**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**		**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3559	0.2130	2.5056	8.3900e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		836.3279	836.3279	0.0197		836.8191
Total	**0.3559**	**0.2130**	**2.5056**	**8.3900e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**836.3279**	**836.3279**	**0.0197**		**836.8191**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	406.6916					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**407.3445**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3559	0.2130	2.5056	8.3900e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		836.3279	836.3279	0.0197		836.8191
Total	**0.3559**	**0.2130**	**2.5056**	**8.3900e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**836.3279**	**836.3279**	**0.0197**		**836.8191**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3530	24.4126	61.0903	0.2321	20.2912	0.1705	20.4617	5.4289	0.1585	5.5875		23,677.0828	23,677.0828	1.1514		23,705.8689
Unmitigated	5.3530	24.4126	61.0903	0.2321	20.2912	0.1705	20.4617	5.4289	0.1585	5.5875		23,677.0828	23,677.0828	1.1514		23,705.8689

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	3,579.00	1,782.00	1174.00	7,925,882	7,925,882
User Defined Parking	454.00	537.00	346.00	16,396	16,396
Total	4,033.00	2,319.00	1,520.00	7,942,278	7,942,278

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
User Defined Commercial	0.00	7.31	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
General Office Building	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Retail/Office Alternative - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927
NaturalGas Unmitigated	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	11322.5	0.1221	1.1101	0.9324	6.6600e-003		0.0844	0.0844		0.0844	0.0844		1,332.0572	1,332.0572	0.0255	0.0244	1,339.9730
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	101.096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1743**	**1.5848**	**1.3313**	**9.5100e-003**		**0.1204**	**0.1204**		**0.1204**	**0.1204**		**1,901.7913**	**1,901.7913**	**0.0365**	**0.0349**	**1,913.0927**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	11.3225	0.1221	1.1101	0.9324	6.6600e-003		0.0844	0.0844		0.0844	0.0844		1,332.0572	1,332.0572	0.0255	0.0244	1,339.9730
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.101096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1743**	**1.5848**	**1.3313**	**9.5100e-003**		**0.1204**	**0.1204**		**0.1204**	**0.1204**		**1,901.7913**	**1,901.7913**	**0.0365**	**0.0349**	**1,913.0927**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Unmitigated	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0133	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Total	**9.7204**	**1.3100e-003**	**0.1435**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**		**0.3077**	**0.3077**	**8.1000e-004**		**0.3279**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0133	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Total	**9.7204**	**1.3100e-003**	**0.1435**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**		**0.3077**	**0.3077**	**8.1000e-004**		**0.3279**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**3.2821**	**14.6775**	**8.3688**	**0.0158**		**0.4828**	**0.4828**		**0.4828**	**0.4828**		**1,679.0282**	**1,679.0282**	**0.2354**		**1,684.9132**

11.0 Vegetation

Retail/Office Alternative

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	396.99	1000sqft	3.15	396,994.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	977.00	Space	0.00	390,800.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Regional Shopping Center	22.50	1000sqft	0.00	22,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Retail/Office Alternative - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Alternative description per assumptions presented in Section V, Alternatives of the DEIR.

Construction Phase - Construction schedule assumes 32 months

Off-road Equipment - Architectural coating equipment per Applicant data and assumptions.

Off-road Equipment - Building construction equipment per Applicant data and assumptions.

Off-road Equipment - Construction equipment for grading per Applicant data and assumptions.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo haul trips based on 130 loads (260 trips) for asphalt debris (1,300 cy /10 cy haul capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 = 13,986 cy/16 cy hauling capacity).

Demolition - Building demo based on 151,048 sf of C&D debris (x.0.046 lbs/sf = 6,948 tons) plus 1,300 cy of asphalt debris (x2,400 lbs/cy = 1,560 tons) = 8508 tons.

Grading - Grading phase assumes 110,000 cy of export.

Vehicle Trips - Mobile source emissions based on LADOT's VMT Calculator. See CalEEMod Data Modifications sheet.

Construction Off-road Equipment Mitigation - Grading phase assumes compliance with AQMD Rule 403 (dust suppression) with watering the site 3X a day (=61% efficiency in dust suppression).

Area Mitigation - Application of low VOC architectural coatings is required by the LA Green Building Code.

Energy Mitigation -

Water Mitigation - water conservation assuemes low flow water fixtures as required by the LA Green Bldg Code.

Waste Mitigation - solid waste recycling is required by the LA Green Bldg Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	88.00

Retail/Office Alternative - South Coast AQMD Air District, Summer

tblConstructionPhase	NumDays	5.00	15.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	396,990.00	396,994.00
tblLandUse	LotAcreage	9.11	3.15
tblLandUse	LotAcreage	8.79	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	0.52	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	134.00	112.00
tblTripsAndVMT	WorkerTripNumber	25.00	60.00
tblTripsAndVMT	WorkerTripNumber	302.00	150.00
tblTripsAndVMT	WorkerTripNumber	60.00	87.00
tblVehicleTrips	CC_TL	8.40	7.31
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00

tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	1,782.00
tblVehicleTrips	ST_TR	0.00	537.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	1,174.00
tblVehicleTrips	SU_TR	0.00	346.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	3,579.00
tblVehicleTrips	WD_TR	0.00	454.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.2904	95.2132	40.2052	0.2459	11.8492	1.7646	13.6137	4.7896	1.6307	6.4203	0.0000	25,997.2711	25,997.2711	2.8936	0.0000	26,069.6119
2022	2.9121	28.5493	27.0028	0.0766	2.3935	0.9648	3.3583	0.6510	0.9152	1.5662	0.0000	7,669.2819	7,669.2819	0.8588	0.0000	7,690.7530
2023	407.6683	24.6466	26.2407	0.0751	2.3935	0.8288	3.2222	0.6510	0.7861	1.4372	0.0000	7,518.7246	7,518.7246	0.8257	0.0000	7,539.3669
Maximum	**407.6683**	**95.2132**	**40.2052**	**0.2459**	**11.8492**	**1.7646**	**13.6137**	**4.7896**	**1.6307**	**6.4203**	**0.0000**	**25,997.2711**	**25,997.2711**	**2.8936**	**0.0000**	**26,069.6119**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.2904	95.2132	40.2052	0.2459	7.7355	1.7646	9.5001	2.7178	1.6307	4.3484	0.0000	25,997.2711	25,997.2711	2.8936	0.0000	26,069.6119
2022	2.9121	28.5493	27.0028	0.0766	2.3935	0.9648	3.3583	0.6510	0.9152	1.5662	0.0000	7,669.2819	7,669.2819	0.8588	0.0000	7,690.7530
2023	407.6683	24.6466	26.2407	0.0751	2.3935	0.8288	3.2222	0.6510	0.7861	1.4372	0.0000	7,518.7246	7,518.7246	0.8257	0.0000	7,539.3669
Maximum	**407.6683**	**95.2132**	**40.2052**	**0.2459**	**7.7355**	**1.7646**	**9.5001**	**2.7178**	**1.6307**	**4.3484**	**0.0000**	**25,997.2711**	**25,997.2711**	**2.8936**	**0.0000**	**26,069.6119**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**24.73**	**0.00**	**20.37**	**34.01**	**0.00**	**21.99**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Energy	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927
Mobile	5.6727	24.1137	64.4727	0.2454	20.2912	0.1694	20.4606	5.4289	0.1575	5.5864		25,023.6417	25,023.6417	1.1438		25,052.2358
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**18.8496**	**40.3773**	**74.3162**	**0.2707**	**20.2912**	**0.7732**	**21.0644**	**5.4289**	**0.7613**	**6.1902**		**28,604.7689**	**28,604.7689**	**1.4164**	**0.0349**	**28,650.5697**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Energy	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927
Mobile	5.6727	24.1137	64.4727	0.2454	20.2912	0.1694	20.4606	5.4289	0.1575	5.5864		25,023.6417	25,023.6417	1.1438		25,052.2358
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**18.8496**	**40.3773**	**74.3162**	**0.2707**	**20.2912**	**0.7732**	**21.0644**	**5.4289**	**0.7613**	**6.1902**		**28,604.7689**	**28,604.7689**	**1.4164**	**0.0349**	**28,650.5697**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Paving	Paving	6/15/2023	10/16/2023	5	88	
6	Architectural Coating	Architectural Coating	10/17/2023	10/30/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 640,491; Non-Residential Outdoor: 213,497; Striped Parking Area: 23,448 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	89	0.20
Pre-Demolition Abatement	Generator Sets	2	8.00	84	0.74
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	10	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125		1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**		**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5900e-003	0.1898	0.0414	6.0000e-004	0.0140	6.2000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		64.7721	64.7721	4.1900e-003		64.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	**0.0394**	**0.2117**	**0.3428**	**1.4900e-003**	**0.1034**	**1.2800e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**153.3643**	**153.3643**	**6.5700e-003**		**153.5287**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8441	7.5114	8.5373	0.0147		0.4192	0.4192		0.4125	0.4125	0.0000	1,394.1000	1,394.1000	0.1115		1,396.8865
Total	**0.8441**	**7.5114**	**8.5373**	**0.0147**	**0.0000**	**0.4192**	**0.4192**	**0.0000**	**0.4125**	**0.4125**	**0.0000**	**1,394.1000**	**1,394.1000**	**0.1115**		**1,396.8865**

3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5900e-003	0.1898	0.0414	6.0000e-004	0.0140	6.2000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		64.7721	64.7721	4.1900e-003		64.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	**0.0394**	**0.2117**	**0.3428**	**1.4900e-003**	**0.1034**	**1.2800e-003**	**0.1047**	**0.0275**	**1.2100e-003**	**0.0288**		**153.3643**	**153.3643**	**6.5700e-003**		**153.5287**

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**4.1378**	**1.5513**	**5.6891**	**0.6265**	**1.4411**	**2.0676**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2151	8.2967	1.5618	0.0215	0.4390	0.0204	0.4594	0.1204	0.0195	0.1399		2,327.2085	2,327.2085	0.1754		2,331.5923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.2784**	**8.3378**	**2.1269**	**0.0232**	**0.6067**	**0.0216**	**0.6283**	**0.1648**	**0.0207**	**0.1855**		**2,493.3190**	**2,493.3190**	**0.1798**		**2,497.8145**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.6137**	**1.5513**	**3.1651**	**0.2443**	**1.4411**	**1.6854**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2151	8.2967	1.5618	0.0215	0.4390	0.0204	0.4594	0.1204	0.0195	0.1399		2,327.2085	2,327.2085	0.1754		2,331.5923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.2784**	**8.3378**	**2.1269**	**0.0232**	**0.6067**	**0.0216**	**0.6283**	**0.1648**	**0.0207**	**0.1855**		**2,493.3190**	**2,493.3190**	**0.1798**		**2,497.8145**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7437	0.0000	6.7437	3.3965	0.0000	3.3965			0.0000			0.0000
Off-Road	3.2632	34.8391	24.7991	0.0494		1.5621	1.5621		1.4371	1.4371		4,780.1518	4,780.1518	1.5460		4,818.8017
Total	**3.2632**	**34.8391**	**24.7991**	**0.0494**	**6.7437**	**1.5621**	**8.3058**	**3.3965**	**1.4371**	**4.8336**		**4,780.1518**	**4,780.1518**	**1.5460**		**4,818.8017**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7739	60.2098	13.1457	0.1899	4.4348	0.1976	4.6324	1.2153	0.1890	1.4043		20,552.6773	20,552.6773	1.3298		20,585.9215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2533	0.1643	2.2604	6.6700e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		664.4420	664.4420	0.0179		664.8887
Total	**2.0272**	**60.3740**	**15.4061**	**0.1965**	**5.1054**	**0.2025**	**5.3080**	**1.3931**	**0.1936**	**1.5867**		**21,217.1193**	**21,217.1193**	**1.3476**		**21,250.8102**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6301	0.0000	2.6301	1.3246	0.0000	1.3246			0.0000			0.0000
Off-Road	3.2632	34.8391	24.7991	0.0494		1.5621	1.5621		1.4371	1.4371	0.0000	4,780.1518	4,780.1518	1.5460		4,818.8017
Total	**3.2632**	**34.8391**	**24.7991**	**0.0494**	**2.6301**	**1.5621**	**4.1921**	**1.3246**	**1.4371**	**2.7617**	**0.0000**	**4,780.1518**	**4,780.1518**	**1.5460**		**4,818.8017**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7739	60.2098	13.1457	0.1899	4.4348	0.1976	4.6324	1.2153	0.1890	1.4043		20,552.6773	20,552.6773	1.3298		20,585.9215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2533	0.1643	2.2604	6.6700e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		664.4420	664.4420	0.0179		664.8887
Total	**2.0272**	**60.3740**	**15.4061**	**0.1965**	**5.1054**	**0.2025**	**5.3080**	**1.3931**	**0.1936**	**1.5867**		**21,217.1193**	**21,217.1193**	**1.3476**		**21,250.8102**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**		**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3117	10.6821	2.5349	0.0286	0.7168	0.0215	0.7383	0.2064	0.0206	0.2269		3,051.3108	3,051.3108	0.1846		3,055.9253
Worker	0.6332	0.4107	5.6509	0.0167	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,661.1050	1,661.1050	0.0447		1,662.2217
Total	**0.9448**	**11.0927**	**8.1857**	**0.0453**	**2.3935**	**0.0339**	**2.4273**	**0.6510**	**0.0319**	**0.6830**		**4,712.4158**	**4,712.4158**	**0.2293**		**4,718.1470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.0642	3,042.0642	0.6464		3,058.2245
Total	**2.2410**	**20.0327**	**19.6006**	**0.0322**		**1.1010**	**1.1010**		**1.0436**	**1.0436**	**0.0000**	**3,042.0642**	**3,042.0642**	**0.6464**		**3,058.2245**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3117	10.6821	2.5349	0.0286	0.7168	0.0215	0.7383	0.2064	0.0206	0.2269		3,051.3108	3,051.3108	0.1846		3,055.9253
Worker	0.6332	0.4107	5.6509	0.0167	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,661.1050	1,661.1050	0.0447		1,662.2217
Total	**0.9448**	**11.0927**	**8.1857**	**0.0453**	**2.3935**	**0.0339**	**2.4273**	**0.6510**	**0.0319**	**0.6830**		**4,712.4158**	**4,712.4158**	**0.2293**		**4,718.1470**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**		**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2923	10.1397	2.3957	0.0283	0.7168	0.0186	0.7355	0.2064	0.0178	0.2242		3,024.6622	3,024.6622	0.1777		3,029.1045
Worker	0.5939	0.3710	5.2253	0.0161	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,601.5859	1,601.5859	0.0404		1,602.5952
Total	**0.8862**	**10.5107**	**7.6210**	**0.0444**	**2.3935**	**0.0306**	**2.4241**	**0.6510**	**0.0289**	**0.6799**		**4,626.2481**	**4,626.2481**	**0.2181**		**4,631.6996**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.0338	3,043.0338	0.6408		3,059.0534
Total	**2.0259**	**18.0387**	**19.3818**	**0.0323**		**0.9342**	**0.9342**		**0.8863**	**0.8863**	**0.0000**	**3,043.0338**	**3,043.0338**	**0.6408**		**3,059.0534**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2923	10.1397	2.3957	0.0283	0.7168	0.0186	0.7355	0.2064	0.0178	0.2242		3,024.6622	3,024.6622	0.1777		3,029.1045
Worker	0.5939	0.3710	5.2253	0.0161	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,601.5859	1,601.5859	0.0404		1,602.5952
Total	**0.8862**	**10.5107**	**7.6210**	**0.0444**	**2.3935**	**0.0306**	**2.4241**	**0.6510**	**0.0289**	**0.6799**		**4,626.2481**	**4,626.2481**	**0.2181**		**4,631.6996**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**		**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2180	7.6657	2.1584	0.0274	0.7168	8.6200e-003	0.7254	0.2064	8.2400e-003	0.2146		2,932.9184	2,932.9184	0.1549		2,936.7920
Worker	0.5584	0.3357	4.8254	0.0155	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,541.8953	1,541.8953	0.0364		1,542.8055
Total	**0.7765**	**8.0013**	**6.9839**	**0.0429**	**2.3935**	**0.0203**	**2.4138**	**0.6510**	**0.0190**	**0.6700**		**4,474.8137**	**4,474.8137**	**0.1914**		**4,479.5975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
Total	**1.8745**	**16.6452**	**19.2568**	**0.0323**		**0.8085**	**0.8085**		**0.7672**	**0.7672**	**0.0000**	**3,043.9110**	**3,043.9110**	**0.6343**		**3,059.7693**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2180	7.6657	2.1584	0.0274	0.7168	8.6200e-003	0.7254	0.2064	8.2400e-003	0.2146		2,932.9184	2,932.9184	0.1549		2,936.7920
Worker	0.5584	0.3357	4.8254	0.0155	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,541.8953	1,541.8953	0.0364		1,542.8055
Total	**0.7765**	**8.0013**	**6.9839**	**0.0429**	**2.3935**	**0.0203**	**2.4138**	**0.6510**	**0.0190**	**0.6700**		**4,474.8137**	**4,474.8137**	**0.1914**		**4,479.5975**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9181**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	406.6916					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**407.3445**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**		**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3239	0.1947	2.7988	8.9700e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		894.2993	894.2993	0.0211		894.8272
Total	**0.3239**	**0.1947**	**2.7988**	**8.9700e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**894.2993**	**894.2993**	**0.0211**		**894.8272**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	406.6916					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
Total	**407.3445**	**5.1088**	**7.8904**	**0.0127**		**0.2332**	**0.2332**		**0.2315**	**0.2315**	**0.0000**	**1,210.2388**	**1,210.2388**	**0.1689**		**1,214.4601**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3239	0.1947	2.7988	8.9700e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		894.2993	894.2993	0.0211		894.8272
Total	**0.3239**	**0.1947**	**2.7988**	**8.9700e-003**	**0.9725**	**6.7700e-003**	**0.9792**	**0.2579**	**6.2400e-003**	**0.2641**		**894.2993**	**894.2993**	**0.0211**		**894.8272**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6727	24.1137	64.4727	0.2454	20.2912	0.1694	20.4606	5.4289	0.1575	5.5864		25,023.6417	25,023.6417	1.1438		25,052.2358
Unmitigated	5.6727	24.1137	64.4727	0.2454	20.2912	0.1694	20.4606	5.4289	0.1575	5.5864		25,023.6417	25,023.6417	1.1438		25,052.2358

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	3,579.00	1,782.00	1174.00	7,925,882	7,925,882
User Defined Parking	454.00	537.00	346.00	16,396	16,396
Total	4,033.00	2,319.00	1,520.00	7,942,278	7,942,278

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
User Defined Commercial	0.00	7.31	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
General Office Building	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Retail/Office Alternative - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927
NaturalGas Unmitigated	0.1743	1.5848	1.3313	9.5100e-003		0.1205	0.1205		0.1205	0.1205		1,901.7913	1,901.7913	0.0365	0.0349	1,913.0927

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	11322.5	0.1221	1.1101	0.9324	6.6600e-003		0.0844	0.0844		0.0844	0.0844		1,332.0572	1,332.0572	0.0255	0.0244	1,339.9730
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	101.096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1743**	**1.5848**	**1.3313**	**9.5100e-003**		**0.1204**	**0.1204**		**0.1204**	**0.1204**		**1,901.7913**	**1,901.7913**	**0.0365**	**0.0349**	**1,913.0927**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	11.3225	0.1221	1.1101	0.9324	6.6600e-003		0.0844	0.0844		0.0844	0.0844		1,332.0572	1,332.0572	0.0255	0.0244	1,339.9730
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.101096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1743**	**1.5848**	**1.3313**	**9.5100e-003**		**0.1204**	**0.1204**		**0.1204**	**0.1204**		**1,901.7913**	**1,901.7913**	**0.0365**	**0.0349**	**1,913.0927**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Unmitigated	9.7204	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0133	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Total	**9.7204**	**1.3100e-003**	**0.1435**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**		**0.3077**	**0.3077**	**8.1000e-004**		**0.3279**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0133	1.3100e-003	0.1435	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		0.3077	0.3077	8.1000e-004		0.3279
Total	**9.7204**	**1.3100e-003**	**0.1435**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**		**0.3077**	**0.3077**	**8.1000e-004**		**0.3279**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	**3.2821**	**14.6775**	**8.3688**	**0.0158**		**0.4828**	**0.4828**		**0.4828**	**0.4828**		**1,679.0282**	**1,679.0282**	**0.2354**		**1,684.9132**

11.0 Vegetation