Appendix B4

Air Quality and Greenhouse Gas Emissions Modeling

Air Quality Appendix
AQ-8 Alternatives

Air Quality Appendix
AQ-8 Alternatives
A Assumptions

One San Pedro Specific Plan
General Assumptions - Alternatives

Project Characteristics

Project Location	Los Angeles
	SCAQMD
Climate Zone	11
Urbanization	Urban
Operational Year (Buildout)	2038
Construction Year	2024
Utility Company	Southern California Edison

Project Land Use	# Units	sqft	Ksf	acres	CalEEMod Use
Existing					
327 Harbor	Vacant			0.56	parking non-asphalt
Phase 1	156			7.31	Mid-Rise Apartments
Phase 2	144			5.92	Mid-Rise Apartments
Phase 3	178			7.14	Mid-Rise Apartments
	478			20.93	

To simplify the modeling, we are aiming to keep the number of land uses to a minimum. This also provides more flexibility to the project since the proposed uses are not tied to a specific land use. For example, we propose to model the commercial/retail under the "Strip Mall" land uses since this development can include retail, resturants, and offices. For the administraton/services/amenities, it would be more straightforward to model the squre footage as "General Office" since the proposed community uses would be more office spaces. The last row called Open Space Amenities would be for the proposed park and recreational areas. The unit can be square feet or acres.

One San Pedro Specific Plan
General Assumptions - Alternatives

Alternative 2 Land Use	**# Units**	**sqft**	**Ksf**	**acres**	(Historic Rehabilitation)
Additional Site - 327 Harbor				0.56	
Residential	47				
Mid-Rise Apartments	47				Mid-Rise Apartment
Townhomes					Townhouse
Existing	478				
Phase 1	156			7.31	Mid-Rise Apartments
Phase 2	144			5.92	Mid-Rise Apartments
Phase 3	178			7.14	Mid-Rise Apartments

Alternative 3 Land Use	**# Units**	**sqft**	**Ksf**	**acres**	(Partial Preservation)
Additional Site - 327 Harbor				0.56	
Residential	47				
Mid-Rise Apartments	47				Mid-Rise Apartment
Townhomes					Townhouse
OSP Site					
Rehabilitated	284				Mid-Rise Apartment
Demolished	194				Mid-Rise Apartment
New	923				Mid-Rise Apartment
Non-Residential		106,000			
Commercial/Retail		45,000	45		Strip Mall
Neighborhood Serving		61,000	61		General Office
Parking Garage	1,460				Enclosed Parking Garage w/elevator
Existing	120				
New	1,340	670,362			Enclosed Parking Garage w/elevator

Site area	Rehab	Rebuild	Commercial	Neighborhood	Parking	Apartments
Phase 1	3.7	3.7	17	23	511	352
Phase 2	3.6	2.4	11	15	331	228
Phase 3	3.6	3.6	17	23	499	343

One San Pedro Specific Plan
Construction Assumptions - Alternative 2 Historic Rehabilitation

CalEEMod Defaults are assumed for modeling purposes unless specifically discussed in the Construction Assumptions below.

Project Schedule:

Construction Monday thru Friday 7:00 am to 3:30 pm Occassionaly Saturday or later day work

Phase Name	Start Date	End Date	Days/Week	Total Days
327 Harbor	**3/1/2023**	**3/1/2025**	**5**	
	Consturction would be the same with this alternative as was modeled with the Proposed Project, 327 Harbor site not remodeled.			
Phase 1	**1/1/2024**	**12/21/2030**		
Demolition	3/1/2024	5/8/24	5	49
Building Construction	5/9/2024	8/10/26	5	588
Architectural Coating - Phase 2	8/1/2025	8/26/2026	5	279
				916
Phase 2	**9/1/2026**	**1/1/1900**		
Demolition	9/1/2026	10/13/26	5	31
Building Construction	10/14/2026	2/16/28	5	351
Architectural Coating	6/28/2027	2/28/2028	5	176
				558
Phase 3	**3/1/2028**	**12/21/2037**		
Demolition	3/1/2028	3/31/28	5	23
Building Construction	4/1/2028	4/12/29	5	269
Architectural Coating	11/1/2028	5/7/2029	5	134
				426

Trips and VMT Use CalEEMod Defaults for everything other than soil haul trucks

PhaseName	Worker Trips	Vendor Trips	One-way Trips
Grading (Phase 1)	Default	Default	0
Grading (Phase 2)	Default	Default	0
Granding (Phase 3)	Default	Default	0
Total			0

One San Pedro Specific Plan
Construction Assumptions - Alternative 2 Historic Rehabilitation

Offroad Equipment See Historic Preservation Equipment List

Dust from Material Movement No anticipated fugitive emissions as no site preparation or grading will occur.

Demolition Square Footage to be demolished

		# Units	Sqft Demo	sqft/unit	
Total		478	500,303	900	18192.836
	Phase 1	156	21,060		
	Phase 2	144	19,440		
	Phase 3	178	24,030		

Onroad Fugitive Dust Uses CalEEMod Defaults

Architectural Coatings Uses CalEEMod Defaults

	Res Interior	Res Exterior	NonRes Interior	Non Res Ext	Paving
Phase 1	315,900	105,300	0	0	0
Phase 2	291,600	97,200	0	0	0
Phase 3	360,450	120,150	0	0	0

One San Pedro Specific Plan
Construction Data Needs - Partial Preservation

CalEEMod Defaults are assumed for modeling purposes unless specifically discussed in the Construction Assumptions below.

Project Schedule:

Construction	Monday thru Friday	7:00 am to 3:30 pm	Occassionaly Saturday or later day work

Phase Name	Start Date	End Date	Days/Week	Total Days
327 Harbor	**3/1/2023**	**3/1/2025**	**5**	
	Consturction would be the same with this alternative as was modeled with the Proposed Project, 327 Harbor site not remodeled.			
Phase 1 (Rehabilitation)			**5**	
Demolition	1/1/2024	2/19/24	5	36
Building Construction	2/20/2024	10/22/26	5	698
Architectural Coating	9/1/2025	10/30/2026	5	349
Phase 1 (Full Rebuild)			**5**	
Demolition	1/1/2024	4/26/24	5	85
Site Prep	4/27/2024	6/7/24	5	30
Grading	6/8/2024	9/2/24	5	61
Utilities Trenching	9/3/2024	11/26/24	5	61
Building Construction	11/27/2024	7/30/27	5	698
Paving	11/27/2024	12/10/24	5	10
Architectural Coating	4/1/2026	8/2/2027	5	349
Phase 2 (Rehabilitation)			**5**	
Demolition	1/1/2027	3/5/27	5	46
Building Construction	3/6/2027	3/13/29	5	527
Architectural Coating	3/15/2028	3/16/2029	5	263

One San Pedro Specific Plan
Construction Data Needs - Partial Preservation

Phase Name	Start Date	End Date	Days/Week	Total Days
Phase 2 (Full Rebuild)			**5**	
Demolition	9/1/2027	10/13/27	5	31
Site Prep	10/14/2027	11/3/27	5	15
Grading	11/4/2027	12/6/27	5	31
Utilities Trenching	12/17/2027	1/28/28	5	31
Building Construction	1/29/2028	6/4/29	5	351
Paving	1/29/2028	2/9/28	5	8
Architectural Coating	10/2/2028	6/4/2029	5	176
Phase 3 (Rehabilitation)			**5**	
Demolition	1/1/2030	2/18/30	5	35
Building Construction	2/19/2030	9/4/31	5	403
Architectural Coating	12/1/2030	9/9/2031	5	202
Phase 3 (Full Rebuild)			**5**	
Demolition	1/1/2029	1/31/29	5	23
Site Prep	2/1/2029	2/16/29	5	12
Grading	2/17/2029	3/21/29	5	23
Utilities Trenching	3/22/2029	4/23/29	5	23
Building Construction	4/24/2029	5/3/30	5	269
Paving	4/24/2029	5/3/29	5	8
Architectural Coating	11/1/2029	5/7/2030	5	134

Trips and VMT Use CalEEMod Defaults for everything other than soil haul trucks

PhaseName	Worker Trips	Vendor Trips	One-way Trips
Grading (Phase 1)	Default	Default	2,221
Grading (Phase 2)	Default	Default	3,136
Granding (Phase 3)	Default	Default	4,280
Total			9,637

One San Pedro Specific Plan
Construction Data Needs - Partial Preservation

Offroad Equipment See Partial Preservation Equipment List

Soil Import/Export Please provide soil import export for the portions of the site to be redeveloped

	Import (Cys)	Export (CY)
Grading		
Phase 1 - Rehab	0	0
Phase 1 - Rebuild	0	35,540
Phase 2 - Rehab	0	0
Phase 2 - Rebuild	0	50,170
Phase 3 - Rehab	0	0
Phase 3 - Rebuild	0	68,486

Demolition **Square Footage to be demolished**

	# Units	Sqft Demo	sqft/unit		
Total	478	500,303	900		
Phase 1 (Rehab)	72	9,720		284	preserved
Phase 1 (Rebuild)	84	75,600			
Phase 2 (Rehab)	108	14,580			
Phase 2 (Rebuild)	36	32,400			
Phase 3 (Rehab)	104	14,040			
Phase 3 (Rebuild)	74	66,600			

Onroad Fugitive Dust Uses CalEEMod Defaults

Architectural Coatings Uses CalEEMod Defaults

	Res Interior	Res Exterior	NonRes Interior	Non Res Ext	Paving	
Phase 1 - Rehab	145,800	48,600	0	0	0	
Phase 1 - Rebuild	170,100	65,700	67,500	22,500	40,222	Neighborhood/parking
Phase 2 - Rehab	218,700	72,900	0	0	0	
Phase 2 - Rebuild	72,900	24,300	91,500	30,500	0	comm
Phase 3 - Rehab	210,600	70,200	0	0	0	
Phase 3 - Rebuils	149,850	49,950	0	0	0	

One San Pedro Specific Plan
Operational Assumptions

Historic Rehabilitation

The Historic Rehabilitation Alternative is assumed to be the same as existing and is not remodeled.

Partial Preservation Alternative

CalEEMod Defaults are assumed for modeling purposes unless specifically discussed in the Operational Assumptions below.

Vehicle Trips:

Source: City of Los Angeles VMT Calculator Version 1.3 Output - dated 1/11 (MXD without TDM Mitigation)

	Daily Trips	Daily VMT	
Residential	6,257	53,193	
Per unit	3.91	33.25	
Non-Residential	3,742	39,183	**10.471138**
Per Ksf	28.78	301.41	

				Anticipated Use		Actual Use	
	# Units	Daily Trips	Daily VMT	trips/unit	VMT/use	trips/unit	VMT/use
Phase 1 (Rehab)	72	282	2,394	3.910625	8.50135848	3.92	8.51
Phase 1 (Rebuild)	352	1,377	11,702	3.910625	8.50135848	3.92	8.51
	40	1,426	14,929	35.3018868	10.4711384	35.7	10.485
Total Phase 1		1,658	14,096				
Phase 2 (Rehab)	108	422	3,591	3.910625	8.50135848	3.92	8.51
Phase 2 (Rebuild)	228	891	7,575	3.910625	8.50135848	3.92	8.51
	26	1,067	9,672	40.7718517	9.06632709	41.1	10.485
Total Phase 2		1,313	11,165				
Phase 3 (Rehab)	104	407	3,458	3.910625	8.50135848	3.92	8.51
Phase 3 (Rebuild)	343	1,343	11,420	3.910625	8.50135848	3.92	8.52
	39	1,226	14,582	31.0905205	11.8895064	30.7	10.485
Total Phase 3		1,750	14,877				

One San Pedro Specific Plan
Operational Assumptions

Area Sources

Hearths:

Existing Assumes no Fireplaces

Proposed All new residential units are all electric. Therefore, no natural gas, propane or wood burning hearts used.

Energy Use

	Rehab	Proposed
Title 24 Compilanc	2008	2019

	T24 Electricity	NT24 Electricity	Lighting Electricity	T24 Natural Gas	NT24 Natural Gas
	KWh/DU			kBtu/DU	
Rehab	231.59	2553.86	741.44	5546	1662
Project	35.05	3054.1	741.44	4180	4831

Source: CalEEMod Appendix D, Table 8.1 Energy Use by Climate Zone and Land Use Type

* Residential portions of the building are all electric

Conversion from NG to Electric for Residential

1 Btu = 0.000293071 KWh 1 kBtu = 0.293071083 kWh

	Default NG		Conversion to kWh		Default Electric		Revised Electric	
	T24 NG	NT24 NG	T24 NG	NT24 NG	T24 D Elec	NT24 D Elec	T24 R Elec	NT24 R Elec
	kBtu		kWh		kWh		kWh	
Apt. Mid	4,179.80	4,831.00	1,224.98	1,415.83	35.05	3,054.10	1,260.03	4,469.93
Townhouse	12,162.60	4,831.00	3,564.51	1,415.83	39.19	3,795.01	3,603.70	5,210.84
Parking Garage	0.00	0.00	0.00	0.00	3.50	0.19	3.50	0.19

One San Pedro Specific Plan
50% Build Construction Schedule

Project Schedule:

Construction Monday thru Friday 7:00 am to 3:30 pm

Occassionaly Saturday or later day work

Phase Name	Start Date	End Date	Days/Week	*Project* Total Days	*50%* Total Days	
327 Harbor	**3/1/2023**	**2/16/2024**	**5**			
Demolition			5	0	0	
Site Prep			5	9	9	
Grading			5	9	9	
Utilities Trenching			5	9	9	
Building Construction			5	451	226	
Paving			5	5	5	
Architectural Coating			5	225	113	
				523	253	Total
Phase 1	**1/1/2024**	**4/19/2028**	**5**			
Demolition			5	121	121	
Site Prep			5	61	61	
Grading			5	121	121	
Utilities Trenching			5	121	121	
Building Construction			5	1395	698	
Paving			5	20	20	
Architectural Coating			5	698	349	
				1820	1123	Total
Phase 2	**1/1/2029**	**9/16/2031**	**5**			
Demolition			5	76	76	
Site Prep			5	38	38	
Grading			5	76	76	
Utilities Trenching			5	76	76	
Building Construction			5	878	440	
Paving			5	20	20	
Architectural Coating			5	439	220	
				1298	707	Total
Phase 3	**3/1/2030**	**3/29/2032**	**5**			
Demolition			5	58	58	
Site Prep			5	29	29	
Grading			5	58	58	
Utilities Trenching			5	58	58	
Building Construction			5	672	337	
Paving			5	20	20	
Architectural Coating			5	336	169	
				994	542	Total

Historic Preservation Equipment List

Tier 4	Electric

Number of pieces of equipment

Equipment	Demolition	Building Construction	Architectural Coating	Demolition
Aerial Lifts				0
Backhoes	4			1
Bore/Drill Rigs				0
Cement and Mortar Mixers		2	6	0
Concrete/Industrial Saws	2			0.5
Compactors				0
Compressors		2	3	0
Cranes		2		0
Crawler Tractors				0
Crushing/Processing Equipment				0
Dozers				0
Dumpers/Tenders				0
Excavators	4			1
Forklifts				0
Generators	2			0.5
Graders				0
Loaders, Front End				0
Loaders, Rubber Tired	2			0.5
Off-Highway Tractors				0
Off-Highway Trucks				0
Pavers				0
Paving Equipment				0
Pressure Washers			3	0
Pumps				0
Rollers				0
Rough Terrain Forklifts		2		0
Scraper				0
Signal Boards				0
Skid Steer Loaders				0
Surfacing Equipment				0
Sweepers/Scrubbers	2	2		0.5
Tractors				0
Trenchers				0
Welders				0
				4
	16	10	12	

Partial Preservation Equipment List

Tier 4	Electric

Numbers provided below are from the proposed project. Please update if changes are needed for the Rebuild portion of the Partial Preservation Alterntive. We assume that the equipment list for the rehabilitation portion of the Partial Preservation Alternative will be the same as the Historic Preservation Alternative. OSP updated equipment numbers

Equipment	Demolition	Site Preparation	Grading	Utilities Trenching	Building Construction	Paving	Architectural Coating
Aerial Lifts							
Backhoes	4		2	4			
Bore/Drill Rigs							
Cement and Mortar Mixers					2		6
Concrete/Industrial Saws	2			2			
Compactors			2			2	
Compressors			4	2	2		3
Cranes					2		
Crawler Tractors							
Crushing/Processing Equipment							
Dozers							
Dumpers/Tenders							
Excavators	4		4	2			
Forklifts							
Generators	2		2	2		2	
Graders							
Loaders, Front End							
Loaders, Rubber Tired	2			4			
Off-Highway Tractors							
Off-Highway Trucks							
Pavers						2	
Paving Equipment				2		2	
Pressure Washers							3
Pumps			2				
Rollers				2		2	
Rough Terrain Forklifts			2		2		
Scraper			1				
Signal Boards				4		2	
Skid Steer Loaders							
Surfacing Equipment				2			
Sweepers/Scrubbers	2		2	2	2	2	
Tractors			4				
Trenchers		2					
Welders			4				
	16	2	29	28	10	14	12

Air Quality Appendix
AQ-8 Alternatives
B Unmitigated
1 Proposed Project
a Construction Emissions Summary

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario A

Max Regional Daily Construction
Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		Tons/year					
By Year							
2023		0.0907	0.7967	0.9403	0.002	0.0853	0.0447
2024		0.94101	8.34307	11.5157	0.02257	0.76452	0.41671
2025		1.06954	8.84703	12.7037	0.02732	0.89961	0.45848
2026		0.5684	4.1033	5.9005	0.01542	0.9503	0.3568
2027		0.5584	4.0892	5.7965	0.01522	0.9501	0.3566
2028		1.0944	4.8719	6.8939	0.01755	1.0816	0.4161
2029		1.319	5.2203	7.3381	0.01851	1.1429	0.4432
2030		1.2479	3.4808	7.0395	0.01892	1	0.3295
2031		1.04034	6.11839	13.29015	0.02766	0.48788	0.2167
2032		0.58797	2.94188	6.29042	0.01729	0.86055	0.2804
2033		0.522	2.5882	5.5047	0.01582	0.8481	0.2681
2034		2.56424	8.7114	17.93114	0.04249	1.48403	0.5293
2035		2.28226	4.45364	9.5435	0.02644	1.36565	0.42522
2036		1.12316	2.83679	6.066	0.01756	0.9311	0.2843
2037		2.1856	2.3012	4.6433	0.01215	0.6111	0.1975
By Phase							
Harbor		0.2317	0.8335	1.0253	0.0022	0.0952	0.0487
PA1		1.319	8.84703	12.7037	0.02732	1.1429	0.45848
PA2		1.8017	6.11839	13.29015	0.02766	0.9749	0.3199
PA3		2.1856	5.32267	11.08014	0.02389	0.9311	0.2843
By Overlap							
Harbor & Phase 1		1.17271	9.17657	12.7626	0.02743	0.90308	0.46541
Phase 2 & Phase 3		2.56424	8.7114	17.93114	0.04249	1.48403	0.5293

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario A

Emissions By Year and Planning Area

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2023	Harbor	0.0907	0.7967	0.9403	2.00E-03	0.0853	0.0447
2024	Harbor	0.2317	0.8335	1.0253	2.20E-03	0.0952	0.0487
	P1	0.94101	8.34307	11.5157	0.02257	0.76452	0.41671
2025	Harbor	0.0351	4.49E-02	0.0589	1.10E-04	3.47E-03	2.32E-03
	PA1	1.06954	8.84703	12.7037	0.02732	0.89961	0.45848
2026	PA1	0.5684	4.1033	5.9005	0.01542	0.9503	0.3568
2027	PA1	0.5584	4.0892	5.7965	0.01522	0.9501	0.3566
2028	PA1	1.0944	4.8719	6.8939	0.01755	1.0816	0.4161
2029	PA1	1.319	5.2203	7.3381	0.01851	1.1429	0.4432
2030	PA1	1.2479	3.4808	7.0395	0.01892	1	0.3295
2031	PA2	1.04034	6.11839	13.29015	0.02766	0.48788	0.2167
2032	PA2	0.58797	2.94188	6.29042	0.01729	0.86055	0.2804
2033	PA2	0.522	2.5882	5.5047	0.01582	0.8481	0.2681
2034	PA2	1.6885	3.38873	6.851	0.0186	0.9749	0.3199
	PA3	0.87574	5.32267	11.08014	0.02389	0.50913	0.2094
2035	PA2	1.8017	1.9314	4.0189	0.01005	0.4908	0.1619
	PA3	0.48056	2.52224	5.5246	0.01639	0.87485	0.26332
2036	PA3	1.12316	2.83679	6.066	0.01756	0.9311	0.2843
2037	PA3	2.1856	2.3012	4.6433	0.01215	0.6111	0.1975

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario A

Emissions by Phase, Planning Area, and Year

Scenario A

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			lbs/day					
2024	PA1	Demolition - Onsite	0.3842	3.3395	5.0295	8.95E-03	0.2268	0.1538
		Demolition - Offsite	0.0151	0.0599	0.166	6.50E-04	0.0598	0.0163
		Site Prep - Onsite	0.0415	0.3855	0.3162	4.10E-04	0.0267	0.0245
		Site Prep - Offsite	1.81E-03	1.37E-03	0.0193	6.00E-05	6.72E-03	1.81E-03
		Grading - Onsite	0.4719	3.9314	5.6427	9.40E-03	0.3005	0.1786
		Grading - Offsite	0.0265	0.6254	0.342	3.10E-03	0.144	0.0417
2025	PA1	Grading - Onsite	0.2241	1.8441	2.8615	4.82E-03	0.203	0.0854
		Grading - Offsite	0.013	0.3178	0.1698	1.56E-03	0.0738	0.0214
		BC - Onsite	0.1457	1.3232	1.4809	2.86E-03	0.0551	0.052
		BC - OffSite	0.0741	0.2393	0.8037	3.08E-03	0.3055	0.0835
		Paving - Onsite	0.036	0.3209	0.4961	8.20E-04	0.0148	0.014
		Paving - Offsite	1.94E-03	1.41E-03	0.0206	6.00E-05	7.71E-03	2.08E-03
		Utilities - Onsite	0.5646	4.793	6.7641	0.0138	0.1997	0.1893
		Utilities - Offsite	0.0101	7.32E-03	0.107	3.20E-04	0.04	0.0108
2026	PA1	BC - Onsite	0.384	3.4884	3.9041	7.54E-03	0.1452	0.137
		BC - OffSite	0.1844	0.6149	1.9964	7.88E-03	0.8051	0.2198
2027	PA1	BC - Onsite	0.384	3.4884	3.9041	7.54E-03	0.1452	0.137
		BC - OffSite	0.1744	0.6008	1.8924	7.68E-03	0.8049	0.2196
2028	PA1	BC - Onsite	0.3825	3.475	3.8891	7.51E-03	0.1446	0.1365
		BC - OffSite	0.1647	0.5865	1.7996	7.47E-03	0.8015	0.2185
		AC - Onsite Offgas	0.4049				0	0
		AC - Onsite - Equipmen	0.1208	0.7962	0.9758	1.81E-03	0.0338	0.0338
		AC - Offsite	0.0215	0.0142	0.2294	7.60E-04	0.1017	0.0273

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario A

Emissions by Phase, Planning Area, and Year

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2029 PA1	BC - Onsite	0.384	3.4884	3.9041	7.54E-03	0.1452	0.137
	BC - OffSite	0.1564	0.5776	1.7302	7.33E-03	0.8044	0.2191
	AC - Onsite Offgas	0.5774				0	0
	AC - Onsite - Equipmen	0.1723	1.1356	1.3916	2.58E-03	0.0482	0.0482
	AC - Offsite	0.0289	0.0187	0.3122	1.06E-03	0.1451	0.0389
2030 PA1	BC - Onsite	0.3692	1.9589	3.7871	8.44E-03	0.0487	0.0487
	BC - OffSite	0.1435	0.5504	1.6135	6.96E-03	0.7795	0.2122
	AC - Onsite Offgas	0.5619				0	0
	AC - Onsite - Equipmen	0.1468	0.9546	1.3478	2.51E-03	0.0307	0.0307
	AC - Offsite	0.0265	0.0169	0.2911	1.01E-03	0.1411	0.0379
		PA2					
2031 PA2	Demolition - Onsite	0.2473	1.272	3.4146	6.69E-03	0.1049	0.0419
	Demolition - Offsite	6.63E-03	0.048	0.0807	4.00E-04	0.0396	0.0109
	Site Prep - Onsite	0.0214	0.1338	0.1957	3.10E-04	6.90E-03	6.90E-03
	Site Prep - Offsite	7.40E-04	4.70E-04	8.45E-03	3.00E-05	4.18E-03	1.12E-03
	Grading - Onsite	0.4295	2.49	5.4842	0.01	0.1379	0.066
	Grading - Offsite	0.0176	0.4503	0.2537	2.13E-03	0.1225	0.0351
	Utilities - Onsite	0.313	1.7212	3.8055	7.94E-03	0.0485	0.0485
	Utilities - Offsite	4.17E-03	2.62E-03	0.0473	1.60E-04	0.0234	6.28E-03
2032 PA2	BC - Onsite	0.3918	2.0456	3.932	9.02E-03	0.0512	0.0512
	BC - OffSite	0.1305	0.5188	1.5509	6.72E-03	0.7873	0.214
	Utilities - Onsite	0.022	0.1212	0.268	5.60E-04	3.41E-03	3.41E-03
	Utilities - Offsite	2.80E-04	1.70E-04	3.22E-03	1.00E-05	1.65E-03	4.40E-04
	Paving - Onsite	0.0421	0.2553	0.5213	9.30E-04	9.29E-03	9.29E-03
	Paving - Offsite	1.29E-03	8.10E-04	0.015	5.00E-05	7.70E-03	2.06E-03
2033 PA2	BC - Onsite	0.3964	2.0695	3.9779	9.13E-03	0.0518	0.0518
	BC - OffSite	0.1256	0.5187	1.5268	6.69E-03	0.7963	0.2163

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario A

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2034 PA2	BC - Onsite	0.3964	2.0695	3.9779	9.13E-03	0.0518	0.0518
	BC - OffSite	0.1199	0.5131	1.4882	6.61E-03	0.7962	0.2161
	AC - Onsite Offgas	1.0343				0	0
	AC - Onsite - Equipmen	0.1224	0.7965	1.1969	2.18E-03	0.0247	0.0247
	AC - Offsite	0.0155	9.63E-03	0.188	6.80E-04	0.1022	0.0273
2034 PA3	Demolition - Onsite	0.1809	0.9235	2.4944	4.92E-03	0.1144	0.0366
	Demolition - Offsite	4.49E-03	0.0456	0.0593	3.30E-04	0.0317	8.70E-03
	Site Prep - Onsite	0.0163	0.1021	0.1493	2.40E-04	5.27E-03	5.27E-03
	Site Prep - Offsite	4.80E-04	3.00E-04	5.74E-03	2.00E-05	3.19E-03	8.50E-04
	Grading - Onsite	0.3199	1.853	4.0738	7.46E-03	0.1046	0.0497
	Grading - Offsite	0.015	0.5266	0.2451	2.25E-03	0.1208	0.035
	Utilities - Onsite	0.2702	1.495	3.2552	6.75E-03	0.0419	0.0419
	Utilities - Offsite	2.87E-03	1.79E-03	0.0345	1.30E-04	0.0191	5.12E-03
	BC - Onsite	0.0233	0.1238	0.2394	5.30E-04	3.08E-03	3.08E-03
	BC - OffSite	7.68E-03	0.0462	0.0952	4.70E-04	0.0515	0.0141
	Paving - Onsite	0.0337	0.2042	0.4171	7.50E-04	7.43E-03	7.43E-03
	Paving - Offsite	9.20E-04	5.80E-04	0.0111	4.00E-05	6.16E-03	1.65E-03
2035 PA2	BC - Onsite	0.1427	0.6849	1.5427	3.55E-03	0.0131	0.0131
	BC - OffSite	0.0446	0.1976	0.5656	2.54E-03	0.3092	0.0839
	AC - Onsite Offgas	1.4333				0	0
	AC - Onsite - Equipmen	0.1607	1.0361	1.6564	3.03E-03	0.027	0.027
	AC - Offsite	0.0204	0.0128	0.2542	9.30E-04	0.1415	0.0379
PA3	BC - Onsite	0.353	1.7343	3.8984	8.70E-03	0.0325	0.0325
	BC - OffSite	0.1201	0.7475	1.5194	7.49E-03	0.8397	0.2293
	Paving - Onsite	7.24E-03	0.0403	0.1041	1.90E-04	1.11E-03	1.11E-03
	Paving - Offsite	2.20E-04	1.40E-04	2.70E-03	1.00E-05	1.54E-03	4.10E-04

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario A

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2036 PA3	BC - Onsite	**0.3544**	**1.7409**	**3.9134**	**8.73E-03**	**0.0327**	**0.0327**
	BC - OffSite	**0.1206**	**0.7504**	**1.5252**	**7.52E-03**	**0.8429**	**0.2302**
	AC - Onsite Offgas	0.5885				0	0
	AC - Onsite - Equipmen	0.053	0.3413	0.5456	1.00E-03	8.90E-03	8.90E-03
	AC - Offsite	**6.66E-03**	**4.19E-03**	**0.0818**	**3.10E-04**	**0.0466**	**0.0125**
2037 PA3	BC - Onsite	**0.1799**	**0.8837**	**1.9866**	**4.43E-03**	**0.0166**	**0.0166**
	BC - OffSite	**0.0612**	**0.3809**	**0.7743**	**3.81E-03**	**0.4279**	**0.1168**
	AC - Onsite Offgas	1.7656				0	0
	AC - Onsite - Equipmen	0.1589	1.024	1.6369	2.99E-03	0.0267	0.0267
	AC - Offsite	**0.02**	**0.0126**	**0.2455**	**9.20E-04**	**0.1399**	**0.0374**

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario B

Max Regional Daily Construction
Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		Tons/year					
By Year							
2023		0.0907	0.7967	0.9403	0.002	0.0853	0.0447
2024		0.94101	8.34307	11.5157	0.02257	0.76452	0.41671
2025		1.06954	8.84703	12.7037	0.02732	0.89961	0.45848
2026		0.5684	4.1033	5.9005	0.01542	0.9503	0.3568
2027		0.5584	4.0892	5.7965	0.01522	0.9501	0.3566
2028		1.1763	4.8719	6.8939	0.01755	1.0816	0.4161
2029		1.4358	5.2203	7.3381	0.01851	1.1429	0.4432
2030		1.3616	3.4808	7.0395	0.01892	1	0.3295
2031		1.04034	6.11839	13.29015	0.02766	0.48788	0.2167
2032		0.58797	2.94188	6.29042	0.01729	0.86055	0.2804
2033		0.522	2.5882	5.5047	0.01582	0.8481	0.2681
2034		2.70854	8.7114	17.93114	0.04249	1.48403	0.5293
2035		2.48236	4.45364	9.5435	0.02644	1.36565	0.42522
2036		0.95476	2.83679	6.066	0.01756	0.9311	0.2843
2037		1.6802	2.3012	4.6433	0.01215	0.6111	0.1975
By Phase							
Harbor		0.2317	0.8335	1.0253	0.0022	0.0952	0.0487
PA1		1.4358	8.84703	12.7037	0.02732	1.1429	0.45848
PA2		2.0018	6.11839	13.29015	0.02766	0.9749	0.3199
PA3		1.6802	5.32267	11.08014	0.02389	0.9311	0.2843
By Overlap							
Harbor & Phase 1		1.17271	9.17657	12.7626	0.02743	0.90308	0.46541
Phase 2 & Phase 3		2.70854	8.7114	17.93114	0.04249	1.48403	0.5293

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario B

Emissions By Year and Planning Area

Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2023	Harbor	0.0907	0.7967	0.9403	2.00E-03	0.0853	0.0447
2024	Harbor	0.2317	0.8335	1.0253	2.20E-03	0.0952	0.0487
	P1	0.94101	8.34307	11.5157	0.02257	0.76452	0.41671
2025	Harbor	0.0351	4.49E-02	0.0589	1.10E-04	3.47E-03	2.32E-03
	PA1	1.06954	8.84703	12.7037	0.02732	0.89961	0.45848
2026	PA1	0.5684	4.1033	5.9005	0.01542	0.9503	0.3568
2027	PA1	0.5584	4.0892	5.7965	0.01522	0.9501	0.3566
2028	PA1	1.1763	4.8719	6.8939	0.01755	1.0816	0.4161
2029	PA1	1.4358	5.2203	7.3381	0.01851	1.1429	0.4432
2030	PA1	1.3616	3.4808	7.0395	0.01892	1	0.3295
2031	PA2	1.04034	6.11839	13.29015	0.02766	0.48788	0.2167
2032	PA2	0.58797	2.94188	6.29042	0.01729	0.86055	0.2804
2033	PA2	0.522	2.5882	5.5047	0.01582	0.8481	0.2681
2034	PA2	1.8328	3.38873	6.851	0.0186	0.9749	0.3199
	PA3	0.87574	5.32267	11.08014	0.02389	0.50913	0.2094
2035	PA2	2.0018	1.9314	4.0189	0.01005	0.4908	0.1619
	PA3	0.48056	2.52224	5.5246	0.01639	0.87485	0.26332
2036	PA3	0.95476	2.83679	6.066	0.01756	0.9311	0.2843
2037	PA3	1.6802	2.3012	4.6433	0.01215	0.6111	0.1975

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario B

Emissions by Phase, Planning Area, and Year

Scenario B

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			lbs/day					
2024	PA1	Demolition - Onsite	0.3842	3.3395	5.0295	0.00895	0.2268	0.1538
		Demolition - Offsite	0.0151	0.0599	0.166	0.00065	0.0598	0.0163
		Site Prep - Onsite	0.0415	0.3855	0.3162	0.00041	0.0267	0.0245
		Site Prep - Offsite	0.00181	0.00137	0.0193	0.00006	0.00672	0.00181
		Grading - Onsite	0.4719	3.9314	5.6427	0.0094	0.3005	0.1786
		Grading - Offsite	0.0265	0.6254	0.342	0.0031	0.144	0.0417
2025	PA1	Grading - Onsite	0.2241	1.8441	2.8615	0.00482	0.203	0.0854
		Grading - Offsite	0.013	0.3178	0.1698	0.00156	0.0738	0.0214
		BC - Onsite	0.1457	1.3232	1.4809	0.00286	0.0551	0.052
		BC - OffSite	0.0741	0.2393	0.8037	0.00308	0.3055	0.0835
		Paving - Onsite	0.036	0.3209	0.4961	0.00082	0.0148	0.014
		Paving - Offsite	0.00194	0.00141	0.0206	0.00006	0.00771	0.00208
		Utilities - Onsite	0.5646	4.793	6.7641	0.0138	0.1997	0.1893
		Utilities - Offsite	0.0101	0.00732	0.107	0.00032	0.04	0.0108
2026	PA1	BC - Onsite	0.384	3.4884	3.9041	0.00754	0.1452	0.137
		BC - OffSite	0.1844	0.6149	1.9964	0.00788	0.8051	0.2198
2027	PA1	BC - Onsite	0.384	3.4884	3.9041	0.00754	0.1452	0.137
		BC - OffSite	0.1744	0.6008	1.8924	0.00768	0.8049	0.2196
2028	PA1	BC - Onsite	0.3825	3.475	3.8891	0.00751	0.1446	0.1365
		BC - OffSite	0.1647	0.5865	1.7996	0.00747	0.8015	0.2185
		AC - Onsite Offgas	0.4868				0	0
		AC - Onsite - Equipmei	0.1208	0.7962	0.9758	0.00181	0.0338	0.0338
		AC - Offsite	0.0215	0.0142	0.2294	0.00076	0.1017	0.0273

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario B

Emissions by Phase, Planning Area, and Year

Scenario B

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			lbs/day					
2029	PA1	BC - Onsite	0.384	3.4884	3.9041	0.00754	0.1452	0.137
		BC - OffSite	0.1564	0.5776	1.7302	0.00733	0.8044	0.2191
		AC - Onsite Offgas	0.6942				0	0
		AC - Onsite - Equipmer	0.1723	1.1356	1.3916	0.00258	0.0482	0.0482
		AC - Offsite	0.0289	0.0187	0.3122	0.00106	0.1451	0.0389
2030	PA1	BC - Onsite	0.3692	1.9589	3.7871	0.00844	0.0487	0.0487
		BC - OffSite	0.1435	0.5504	1.6135	0.00696	0.7795	0.2122
		AC - Onsite Offgas	0.6756				0	0
		AC - Onsite - Equipmer	0.1468	0.9546	1.3478	0.00251	0.0307	0.0307
		AC - Offsite	0.0265	0.0169	0.2911	0.00101	0.1411	0.0379
2031	PA2	Demolition - Onsite	0.2473	1.272	3.4146	0.00669	0.1049	0.0419
		Demolition - Offsite	0.00663	0.048	0.0807	0.0004	0.0396	0.0109
		Site Prep - Onsite	0.0214	0.1338	0.1957	0.00031	0.0069	0.0069
		Site Prep - Offsite	0.00074	0.00047	0.00845	0.00003	0.00418	0.00112
		Grading - Onsite	0.4295	2.49	5.4842	0.01	0.1379	0.066
		Grading - Offsite	0.0176	0.4503	0.2537	0.00213	0.1225	0.0351
		Utilities - Onsite	0.313	1.7212	3.8055	0.00794	0.0485	0.0485
		Utilities - Offsite	0.00417	0.00262	0.0473	0.00016	0.0234	0.00628
2032	PA2	BC - Onsite	0.3918	2.0456	3.932	0.00902	0.0512	0.0512
		BC - OffSite	0.1305	0.5188	1.5509	0.00672	0.7873	0.214
		Utilities - Onsite	0.022	0.1212	0.268	0.00056	0.00341	0.00341
		Utilities - Offsite	0.00028	0.00017	0.00322	0.00001	0.00165	0.00044
		Paving - Onsite	0.0421	0.2553	0.5213	0.00093	0.00929	0.00929
		Paving - Offsite	0.00129	0.00081	0.015	0.00005	0.0077	0.00206
2033	PA2	BC - Onsite	0.3964	2.0695	3.9779	0.00913	0.0518	0.0518
		BC - OffSite	0.1256	0.5187	1.5268	0.00669	0.7963	0.2163

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario B

Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2034 PA2	BC - Onsite	0.3964	2.0695	3.9779	0.00913	0.0518	0.0518
	BC - OffSite	0.1199	0.5131	1.4882	0.00661	0.7962	0.2161
	AC - Onsite Offgas	1.1786				0	0
	AC - Onsite - Equipmer	0.1224	0.7965	1.1969	0.00218	0.0247	0.0247
	AC - Offsite	0.0155	0.00963	0.188	0.00068	0.1022	0.0273
2034 PA3	Demolition - Onsite	0.1809	0.9235	2.4944	0.00492	0.1144	0.0366
	Demolition - Offsite	0.00449	0.0456	0.0593	0.00033	0.0317	0.0087
	Site Prep - Onsite	0.0163	0.1021	0.1493	0.00024	0.00527	0.00527
	Site Prep - Offsite	0.00048	0.0003	0.00574	0.00002	0.00319	0.00085
	Grading - Onsite	0.3199	1.853	4.0738	0.00746	0.1046	0.0497
	Grading - Offsite	0.015	0.5266	0.2451	0.00225	0.1208	0.035
	Utilities - Onsite	0.2702	1.495	3.2552	0.00675	0.0419	0.0419
	Utilities - Offsite	0.00287	0.00179	0.0345	0.00013	0.0191	0.00512
	BC - Onsite	0.0233	0.1238	0.2394	0.00053	0.00308	0.00308
	BC - OffSite	0.00768	0.0462	0.0952	0.00047	0.0515	0.0141
	Paving - Onsite	0.0337	0.2042	0.4171	0.00075	0.00743	0.00743
	Paving - Offsite	0.00092	0.00058	0.0111	0.00004	0.00616	0.00165
2035 PA2	BC - Onsite	0.1427	0.6849	1.5427	0.00355	0.0131	0.0131
	BC - OffSite	0.0446	0.1976	0.5656	0.00254	0.3092	0.0839
	AC - Onsite Offgas	1.6334				0	0
	AC - Onsite - Equipmer	0.1607	1.0361	1.6564	0.00303	0.027	0.027
	AC - Offsite	0.0204	0.0128	0.2542	0.00093	0.1415	0.0379
PA3	BC - Onsite	0.353	1.7343	3.8984	0.0087	0.0325	0.0325
	BC - OffSite	0.1201	0.7475	1.5194	0.00749	0.8397	0.2293
	Paving - Onsite	0.00724	0.0403	0.1041	0.00019	0.00111	0.00111
	Paving - Offsite	0.00022	0.00014	0.0027	0.00001	0.00154	0.00041

One San Pedro Specific Plan
Unmitigated Construction Regional Criteria Pollutant Summary - Scenario B

Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2036 PA3	BC - Onsite	0.3544	1.7409	3.9134	0.00873	0.0327	0.0327
	BC - OffSite	0.1206	0.7504	1.5252	0.00752	0.8429	0.2302
	AC - Onsite Offgas	0.4201				0	0
	AC - Onsite - Equipmer	0.053	0.3413	0.5456	0.001	0.0089	0.0089
	AC - Offsite	0.00666	0.00419	0.0818	0.00031	0.0466	0.0125
2037 PA3	BC - Onsite	0.1799	0.8837	1.9866	0.00443	0.0166	0.0166
	BC - OffSite	0.0612	0.3809	0.7743	0.00381	0.4279	0.1168
	AC - Onsite Offgas	1.2602				0	0
	AC - Onsite - Equipmer	0.1589	1.024	1.6369	0.00299	0.0267	0.0267
	AC - Offsite	0.02	0.0126	0.2455	0.00092	0.1399	0.0374

Air Quality Appendix
AQ-8 Alternatives
B Unmitigated
1 Proposed Project
b Operational Emissions Summary

One San Pedro Specific Plan
Unmitigated Annual Operaitonal Emissions Summary - Proposed Project Scenario A

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	8.15	0.19	16.47	0.00	0.00	0.09	0.09	0.00	0.09	0.09
Energy	0.01	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	4.85	4.55	46.32	0.09	12.68	0.05	12.73	3.38	0.05	3.43
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**13.00**	**4.78**	**62.83**	**0.10**	**12.68**	**0.15**	**12.82**	**3.38**	**0.14**	**3.53**
Existing	3.21	1.71	17.31	0.03	2.58	0.06	2.64	0.69	0.06	0.75
NET	9.79	3.07	45.52	0.07	10.10	0.09	10.19	2.70	0.08	2.78

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	5.58E-03	0.4842	3.00E-05		2.69E-03	2.69E-03		2.69E-03	2.69E-03
Energy	0	0	0	0		0	0		0	0
Mobile	0.1141	0.1109	1.0062	1.99E-03	0.2145	1.52E-03	0.2161	0.0572	1.42E-03	0.0587
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.89E-01**	**1.17E-01**	**1.49E+00**	**2.02E-03**	**2.15E-01**	**4.21E-03**	**2.19E-01**	**5.72E-02**	**4.11E-03**	**6.13E-02**

PA1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.9047	0.0445	3.8649	2.00E-04		0.0215	0.0215		0.0215	0.0215
Energy	1.78E-03	0.0162	0.0136	1.00E-04		1.23E-03	1.23E-03		1.23E-03	1.23E-03
Mobile	1.2338	1.1866	11.6622	0.0244	3.0439	0.0159	3.0598	0.8123	0.0148	0.8271
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.14E+00**	**1.25E+00**	**1.55E+01**	**2.47E-02**	**3.04E+00**	**3.86E-02**	**3.08E+00**	**8.12E-01**	**3.75E-02**	**8.50E-01**

PA2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	3.0489	7.12E-02	6.1721	3.30E-04		3.44E-02	3.44E-02		3.44E-02	3.44E-02
Energy	1.89E-03	0.0172	0.0144	1.00E-04		1.30E-03	1.30E-03		1.30E-03	1.30E-03
Mobile	1.8503	1.7217	17.8415	0.0365	5.0087	0.019	5.0277	1.3369	0.0177	1.3546
Waste						0	0		0	0
Water						0	0		0	0
Total	**4.90E+00**	**1.81E+00**	**2.40E+01**	**3.69E-02**	**5.01E+00**	**5.47E-02**	**5.06E+00**	**1.34E+00**	**5.34E-02**	**1.39E+00**

PA3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.9194	6.86E-02	5.9453	3.20E-04		3.31E-02	3.31E-02		3.31E-02	3.31E-02
Energy	1.45E-03	0.0132	0.0111	8.00E-05		1.00E-03	1.00E-03		1.00E-03	1.00E-03
Mobile	1.6495	1.5283	15.8147	0.0321	4.4091	0.0168	4.4258	1.1768	0.0156	1.1924
Waste						0	0		0	0
Water						0	0		0	0
Total	**4.57E+00**	**1.61E+00**	**2.18E+01**	**3.25E-02**	**4.41E+00**	**5.09E-02**	**4.46E+00**	**1.18E+00**	**4.97E-02**	**1.23E+00**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	2.60E-04		0.0273	0.0273		0.0273	0.0273
Energy	0.0186	0.1588	0.0676	1.01E-03		0.0128	0.0128		0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

One San Pedro Specific Plan
Unmitigated Annual Operaitonal Emissions Summary - Proposed Project Scenario B

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	8.1133	0.18988	16.468	0.00088	0	0.09159	0.09159	0	0.09159	0.09159
Energy	0.00512	0.04655	0.03913	0.00028	0	0.00354	0.00354	0	0.00354	0.00354
Mobile	4.8666	4.5733	46.3541	0.09549	12.676	0.05382	12.73	3.3831	0.05012	3.4333
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**1.30E+01**	**4.81E+00**	**6.29E+01**	**9.67E-02**	**1.27E+01**	**1.49E-01**	**1.28E+01**	**3.38E+00**	**1.45E-01**	**3.53E+00**
Existing	3.21	1.71	17.31	0.03	2.58	0.06	2.64	0.69	0.06	0.75
NET	9.77	3.10	45.55	0.07	10.10	0.09	10.19	2.70	0.08	2.78

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	0.00558	0.4842	0.00003	0	0.00269	0.00269	0	0.00269	0.00269
Energy	0	0	0	0	0	0	0	0	0	0
Mobile	0.1141	0.1109	1.0062	0.00199	0.2145	0.00152	0.2161	0.0572	0.00142	0.0587
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**3.89E-01**	**1.16E-01**	**1.49E+00**	**2.02E-03**	**2.15E-01**	**4.21E-03**	**2.19E-01**	**5.72E-02**	**4.11E-03**	**6.14E-02**

PA1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.2881	0.0534	4.6381	2.50E-04		0.0258	0.0258		0.0258	0.0258
Energy	2.17E-03	0.0197	0.0166	1.20E-04		1.50E-03	1.50E-03		1.50E-03	1.50E-03
Mobile	1.4842	1.4275	13.9196	0.0294	3.6679	0.0189	3.6869	0.9788	0.0176	0.9964
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.77E+00**	**1.50E+00**	**1.86E+01**	**2.98E-02**	**3.67E+00**	**4.62E-02**	**3.71E+00**	**9.79E-01**	**4.49E-02**	**1.02E+00**

PA2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	3.4623	7.99E-02	6.9239	3.70E-04		3.85E-02	3.85E-02		3.85E-02	3.85E-02
Energy	2.32E-03	0.0211	0.0177	1.30E-04		1.60E-03	1.60E-03		1.60E-03	1.60E-03
Mobile	2.1457	2	20.7374	0.0425	5.8375	0.0221	5.8596	1.5581	0.0206	1.5787
Waste						0	0		0	0
Water						0	0		0	0
Total	**5.61E+00**	**2.10E+00**	**2.77E+01**	**4.30E-02**	**5.84E+00**	**6.22E-02**	**5.90E+00**	**1.56E+00**	**6.07E-02**	**1.62E+00**

PA3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0884	0.051	4.4218	2.30E-04		0.0246	0.0246		0.0246	0.0246
Energy	6.30E-04	5.75E-03	4.83E-03	3.00E-05		4.40E-04	4.40E-04		4.40E-04	4.40E-04
Mobile	1.1226	1.0349	10.6909	0.0216	2.9561	0.0113	2.9674	0.789	0.0105	0.7995
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.21E+00**	**1.09E+00**	**1.51E+01**	**2.19E-02**	**2.96E+00**	**3.63E-02**	**2.99E+00**	**7.89E-01**	**3.55E-02**	**8.25E-01**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	0.00026	0	0.0273	0.0273	0	0.0273	0.0273
Energy	0.0186	0.1588	0.0676	0.00101	0	0.0128	0.0128	0	0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

Air Quality Appendix
AQ-8 Alternatives
B Unmitigated
2 Partial Preservation
a Construction Emissions Summary

One San Pedro Specific Plan
Unmitigated Annual Construction Emissions Summary - Proposed Project

Maximum Annual Emissions by Phase

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Harbor	2.32E-01	8.34E-01	1.03E+00	2.20E-03	6.10E-02	3.42E-02	9.52E-02	1.63E-02	3.24E-02	4.87E-02
Phase 1	1.69E+00	7.41E+00	9.77E+00	1.92E-02	7.20E-01	3.25E-01	9.53E-01	1.93E-01	3.08E-01	4.15E-01
Phase 2	1.33E+00	5.79E+00	7.48E+00	1.67E-02	5.06E-01	2.37E-01	7.43E-01	1.35E-01	2.26E-01	3.60E-01
Phase 3	1.58E+00	5.02E+00	7.97E+00	1.93E-02	6.30E-01	1.66E-01	7.96E-01	1.62E-01	1.59E-01	3.21E-01
Harbor + Phase 1 -2024	1.0964	8.2477	10.7945	0.02138	0.3711	0.3594	0.7307	0.0878	0.3403	0.428
Harbor + Phase 1 - 2025	0.8018	5.1831	6.9519	0.01663	0.65727	0.2045	0.86167	0.17622	0.1935	0.36972
Phase 1 + Phase 2 - 2027	1.3231	5.9765	8.2784	0.01859	0.5834	0.2359	0.8192	0.1519	0.224	0.376
Phase 2 + 3 -2029 A	2.0414	7.0623	10.6426	0.02535	0.8428	0.2492	1.0921	0.21885	0.2389	0.4578

Harbor - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2023	0.0907	0.7967	0.9403	0.002	0.0514	0.0339	0.0853	0.013	0.0317	0.0447
2024	0.2317	0.8335	1.0253	0.0022	0.061	0.0342	0.0952	0.0163	0.0324	0.0487
2025	0.0351	0.0449	0.0589	0.00011	0.00157	0.0019	0.00347	0.00042	0.0019	0.00232
Max	**2.32E-01**	**8.34E-01**	**1.03E+00**	**2.20E-03**	**6.10E-02**	**3.42E-02**	**9.52E-02**	**1.63E-02**	**3.24E-02**	**4.87E-02**

Max year 2024

Phase 1 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2024 - Rehab	0.2853	2.4886	2.9696	5.88E-03	0.0831	0.1104	0.1936	0.0217	0.104	0.1256
2025 - Rehab	0.4061	2.5999	3.1365	6.32E-03	0.0882	0.1101	0.1982	0.0236	0.1047	0.1283
2026 - Rehab	0.464	2.5246	3.0806	6.12E-03	0.0773	0.1071	0.1844	0.0207	0.1028	0.1235
2024-Rebuild	0.5794	4.9256	6.7996	0.0133	0.227	0.2148	0.4419	0.0498	0.2039	0.2537
2025 - Rebuild	0.3606	2.5383	3.7565	0.0102	0.5675	0.0925	0.66	0.1522	0.0869	0.2391
2026 -Rebuild	1.2276	3.295	4.8273	0.0124	0.6431	0.1251	0.7682	0.1723	0.1195	0.2918
2027 - Rebuild	0.8742	2.0478	2.9657	7.54E-03	0.3866	0.0786	0.4652	0.1035	0.0754	0.1789
Max	**1.69E+00**	**7.41E+00**	**9.77E+00**	**1.92E-02**	**7.20E-01**	**3.25E-01**	**9.53E-01**	**1.93E-01**	**3.08E-01**	**4.15E-01**

Phase 2 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2027 - Rehab	0.279	2.3536	3.1184	6.32E-03	0.1178	0.099	0.2168	0.0307	0.0932	0.1239
2028 - Rehab	0.6391	2.9099	3.5855	7.36E-03	0.1392	0.1227	0.2618	0.0372	0.1173	0.1545
2029 - Rehab	0.1527	0.6332	0.7826	1.59E-03	0.029	0.0267	0.0557	7.75E-03	0.0257	0.0334
2027 - Rebuild	0.1699	1.5751	2.1943	4.73E-03	0.079	0.0583	0.1372	0.0177	0.0554	0.0732
2028 - Rebuild	0.6871	2.8768	3.8919	9.29E-03	0.3664	0.1144	0.4808	0.0977	0.1082	0.2059
2029 - Rebuild	0.7305	1.4065	1.8893	4.46E-03	0.1841	0.0562	0.2403	0.0493	0.0538	0.1032
Max	**1.33E+00**	**5.79E+00**	**7.48E+00**	**1.67E-02**	**5.06E-01**	**2.37E-01**	**7.43E-01**	**1.35E-01**	**2.26E-01**	**3.60E-01**

Phase 3 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2030 - Rehab	0.3114	1.4197	3.0679	7.00E-03	0.1176	0.0338	0.1515	0.0306	0.0338	0.0644
2031 - Rehab	0.5431	1.408	2.5894	5.75E-03	0.0937	0.0373	0.131	0.025	0.0373	0.0623
2029 - Rebuild	0.8468	3.6029	4.9028	0.0123	0.5121	0.1325	0.6446	0.1312	0.1256	0.2568
2030 - Rebuild	1.0342	0.8413	1.6754	4.51E-03	0.2235	0.02	0.2435	0.0598	0.0199	0.0798
Max	**1.58E+00**	**5.02E+00**	**7.97E+00**	**1.93E-02**	**6.30E-01**	**1.66E-01**	**7.96E-01**	**1.62E-01**	**1.59E-01**	**3.21E-01**

One San Pedro Specific Plan
Unmitigated Annual Operaitonal Emissions Summary - Partial Preservation - Phase 1 Rehab

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	5.86	0.15	12.92	0.00	0.00	0.07	0.07	0.00	0.07	0.07
Energy	0.01	0.13	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Mobile	4.08	4.27	41.14	0.09	11.12	0.06	11.18	2.97	0.06	3.02
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**9.96**	**4.54**	**54.14**	**0.09**	**11.12**	**0.14**	**11.26**	**2.97**	**0.14**	**3.11**
Existing	3.21	1.71	17.31	0.03	2.58	0.06	2.64	0.69	0.06	0.75
NET	6.75	2.83	36.83	0.07	8.54	0.08	8.62	2.28	0.08	2.36

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	0.00558	0.4842	0.00003	0	0.00269	0.00269	0	0.00269	0.00269
Energy	0	0	0	0	0	0	0	0	0	0
Mobile	0.1141	0.1109	1.0062	0.00199	0.2145	0.00152	0.2161	0.0572	0.00142	0.0587
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**3.89E-01**	**1.16E-01**	**1.49E+00**	**2.02E-03**	**2.15E-01**	**4.21E-03**	**2.19E-01**	**5.72E-02**	**4.11E-03**	**6.14E-02**

Phase 1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.305	8.54E-03	0.7418	4.00E-05		4.12E-03	4.12E-03		4.12E-03	4.12E-03
Energy	2.80E-03	0.0239	0.0102	1.50E-04		1.93E-03	1.93E-03		1.93E-03	1.93E-03
Mobile	0.1304	0.1385	1.2969	2.85E-03	0.3285	2.03E-03	0.3306	0.0877	1.88E-03	0.0895
Waste						0	0		0	0
Water						0	0		0	0
Total	**4.38E-01**	**1.71E-01**	**2.05E+00**	**3.04E-03**	**3.29E-01**	**8.08E-03**	**3.37E-01**	**8.77E-02**	**7.93E-03**	**9.56E-02**

Phase 2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.4573	0.0128	1.1108	6.00E-05		6.18E-03	6.18E-03		6.18E-03	6.18E-03
Energy	4.20E-03	0.0359	0.0153	2.30E-04		2.90E-03	2.90E-03		2.90E-03	2.90E-03
Mobile	0.1843	0.1875	1.8183	4.00E-03	0.4929	2.61E-03	0.4955	0.1315	2.42E-03	0.134
Waste						0	0		0	0
Water						0	0		0	0
Total	**6.46E-01**	**2.36E-01**	**2.94E+00**	**4.29E-03**	**4.93E-01**	**1.17E-02**	**5.05E-01**	**1.32E-01**	**1.15E-02**	**1.43E-01**

Phase 3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.4403	0.0123	1.0697	6.00E-05		5.95E-03	5.95E-03		5.95E-03	5.95E-03
Energy	4.04E-03	0.0345	0.0147	2.20E-04		2.79E-03	2.79E-03		2.79E-03	2.79E-03
Mobile	0.1722	0.1712	1.6985	3.72E-03	0.4747	2.29E-03	0.477	0.1267	2.13E-03	0.1288
Waste						0	0		0	0
Water						0	0		0	0
Total	**6.17E-01**	**2.18E-01**	**2.78E+00**	**4.00E-03**	**4.75E-01**	**1.10E-02**	**4.86E-01**	**1.27E-01**	**1.09E-02**	**1.38E-01**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	2.60E-04		0.0273	0.0273		0.0273	0.0273
Energy	0.0186	0.1588	0.0676	1.01E-03		0.0128	0.0128		0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

One San Pedro Specific Plan
Unmitigated Annual Operaitonal Emissions Summary - Partial Preservation - Phase 1 Rebuild

Total Annual Operational Emissions (Rebuild Only)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	4.3847	0.1096	9.5179	0.0005	0	0.0529	0.0529	0	0.0529	0.0529
Energy	0.00379	0.03446	0.02891	0.00021	0	0.00262	0.00262	0	0.00262	0.00262
Mobile	3.4791	3.6579	35.3227	0.0789	9.6087	0.0522	9.6609	2.564	0.0484	2.6125
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**7.87E+00**	**3.80E+00**	**4.49E+01**	**7.96E-02**	**9.61E+00**	**1.08E-01**	**9.72E+00**	**2.56E+00**	**1.04E-01**	**2.67E+00**
Existing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET	7.87	3.80	44.87	0.08	9.61	0.11	9.72	2.56	0.10	2.67

Phase 1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.6708	0.0418	3.6336	1.90E-04		0.0202	0.0202		0.0202	0.0202
Energy	1.43E-03	0.013	0.0109	8.00E-05		9.90E-04	9.90E-04		9.90E-04	9.90E-04
Mobile	1.3843	1.5072	14.1455	0.0316	3.6543	0.0223	3.6766	0.975	0.0207	0.9958
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.06E+00**	**1.56E+00**	**1.78E+01**	**3.19E-02**	**3.65E+00**	**4.35E-02**	**3.70E+00**	**9.75E-01**	**4.19E-02**	**1.02E+00**

Phase 2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.0822	0.0271	2.3496	1.20E-04		0.0131	0.0131		0.0131	0.0131
Energy	9.30E-04	8.46E-03	7.11E-03	5.00E-05		6.40E-04	6.40E-04		6.40E-04	6.40E-04
Mobile	0.8607	0.8705	8.5526	0.0189	2.371	0.012	2.383	0.6327	0.0111	0.6438
Waste						0	0		0	0
Water						0	0		0	0
Total	**1.94E+00**	**9.06E-01**	**1.09E+01**	**1.91E-02**	**2.37E+00**	**2.57E-02**	**2.40E+00**	**6.33E-01**	**2.48E-02**	**6.58E-01**

Phase 3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.6317	0.0407	3.5347	1.90E-04		0.0196	0.0196		0.0196	0.0196
Energy	1.43E-03	0.013	0.0109	8.00E-05		9.90E-04	9.90E-04		9.90E-04	9.90E-04
Mobile	1.2341	1.2802	12.6246	0.0284	3.5834	0.0179	3.6013	0.9563	0.0166	0.9729
Waste						0	0		0	0
Water						0	0		0	0
Total	**2.87E+00**	**1.33E+00**	**1.62E+01**	**2.87E-02**	**3.58E+00**	**3.85E-02**	**3.62E+00**	**9.56E-01**	**3.72E-02**	**9.93E-01**

Air Quality Appendix
AQ-8 Alternatives
B Unmitigated
2 Partial Preservation
b Operational Emissions Summary

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Max Daily

Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		33.0974	1.1914	103.3963	0.00547	0	0.5741	0.5741	0	0.5741	0.5741
Energy		0.08124	0.7055	0.3784	0.00444	0	0.05614	0.05614	0	0.05614	0.05614
Mobile		22.7654	23.1337	224.4847	0.4972	62.3046	0.33329	62.6377	16.5996	0.30979	16.9092
Total		**55.94404**	**25.0306**	**328.2594**	**0.50711**	**62.3046**	**0.96353**	**63.26794**	**16.5996**	**0.94003**	**17.53944**
Existing		**18.0981**	**9.4175**	**106.7747**	**0.14813**	**14.44**	**0.41**	**14.85**	**3.8463**	**0.4017**	**4.248**
Net		**37.85**	**15.61**	**221.48**	**0.36**	**47.86**	**0.55**	**48.42**	**12.75**	**0.54**	**13.29**
Threshold		55	55	550	150			150			55
Exceed Threshodl		No	No	No	No			No			No

Harbor Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.5408	0.0446	3.8739	0.0002	0	0.0215	0.0215	0	0.0215	0.0215
Energy		0	0	0	0	0	0	0	0	0	0
Mobile		0.6407	0.6038	5.5068	0.0108	1.2022	0.00839	1.2106	0.3203	0.00779	0.328
Total		**2.1815**	**0.6484**	**9.3807**	**0.011**	**1.2022**	**0.02989**	**1.2321**	**0.3203**	**0.02929**	**0.3495**

PA1 - Rebui Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.4309	0.3347	29.069	0.00154	0	0.1612	0.1612	0	0.1612	0.1612
Energy		0.00782	0.0711	0.0598	0.00043	0	0.00541	0.00541	0	0.00541	0.00541
Mobile		7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679
Total		**17.16432**	**8.5737**	**106.2344**	**0.17377**	**20.4721**	**0.28941**	**20.76151**	**5.4539**	**0.28071**	**5.73451**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Max Daily

PA1 - Rehal Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.7272	0.0684	5.9345	0.00031	0	0.0329	0.0329	0	0.0329	0.0329
Energy		0.0153	0.131	0.0558	0.00084	0	0.0106	0.0106	0	0.0106	0.0106
Mobile		0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008
Total		**2.4713**	**0.9509**	**13.0666**	**0.01665**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**

PA2 - Rebui Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		6.1075	0.2166	18.7969	0.001	0	0.1044	0.1044	0	0.1044	0.1044
Energy		0.0051	0.0464	0.0389	0.00028	0	0.00352	0.00352	0	0.00352	0.00352
Mobile		4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012
Total		**10.9154**	**4.9865**	**65.5409**	**0.10388**	**13.2866**	**0.17362**	**13.46022**	**3.5401**	**0.16902**	**3.70912**

PA2 - Rehal Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.5894	0.1025	8.8866	0.00047	0	0.0494	0.0494	0	0.0494	0.0494
Energy		0.023	0.1966	0.0836	0.00125	0	0.0159	0.0159	0	0.0159	0.0159
Mobile		1.0289	1.0177	9.93	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492
Total		**3.6413**	**1.3168**	**18.9002**	**0.02342**	**2.7621**	**0.0797**	**2.8417**	**0.7359**	**0.0786**	**0.8145**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Max Daily

PA3 - Rebui Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.2081	0.3259	28.2779	0.0015	0	0.1571	0.1571	0	0.1571	0.1571
Energy		0.00782	0.0711	0.0598	0.00043	0	0.00541	0.00541	0	0.00541	0.00541
Mobile		6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416
Total		**16.09352**	**7.3368**	**97.2191**	**0.15653**	**20.0805**	**0.26071**	**20.34121**	**5.3502**	**0.25391**	**5.60411**

PA3 - Rehal Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.4935	0.0987	8.5575	0.00045	0	0.0476	0.0476	0	0.0476	0.0476
Energy		0.0222	0.1893	0.0805	0.00121	0	0.0153	0.0153	0	0.0153	0.0153
Mobile		0.961	0.9295	9.2795	0.0202	2.66	0.0126	2.6726	0.7087	0.0117	0.7205
Total		**3.4767**	**1.2175**	**17.9175**	**0.02186**	**2.66**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7834**

Existing Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		11.4762	0.4553	39.4781	0.00208	0	0.2181	0.2181	0	0.2181	0.2181
Energy		0.1018	0.8699	0.3702	0.00555	0	0.0703	0.0703	0	0.0703	0.0703
Mobile		6.5201	8.0923	66.9264	0.1405	14.44	0.1216	14.5616	3.8463	0.1133	3.9596
Total		**18.0981**	**9.4175**	**106.7747**	**0.14813**	**14.44**	**0.41**	**14.85**	**3.8463**	**0.4017**	**4.248**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Winter

Harbor Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.5408	0.0446	3.8739	2.00E-04		0.0215	0.0215		0.0215	0.0215
Energy		0	0	0	0		0	0		0	0
Mobile		0.6407	0.6038	5.5068	0.0108	1.2022	8.39E-03	1.2106	0.3203	7.79E-03	0.328
Total		**2.1815**	**0.6484**	**9.3806**	**0.011**	**1.2022**	**0.0299**	**1.2321**	**0.3203**	**0.0293**	**0.3495**

PA1 - Rebuild Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.4309	0.3347	29.069	1.54E-03		0.1612	0.1612		0.1612	0.1612
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679
Total		**17.1643**	**8.5738**	**106.2344**	**0.1738**	**20.4721**	**0.2894**	**20.7615**	**5.4539**	**0.2807**	**5.7345**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Winter

PA1 - Rehab Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.7272	0.0684	5.9345	3.10E-04		0.0329	0.0329		0.0329	0.0329
Energy		0.0153	0.131	0.0558	8.40E-04		0.0106	0.0106		0.0106	0.0106
Mobile		0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008
Total		**2.4713**	**0.9509**	**13.0666**	**0.0166**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**

PA2 - Rebuild Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		6.1075	0.2166	18.7969	1.00E-03		0.1044	0.1044		0.1044	0.1044
Energy		5.10E-03	0.0464	0.0389	2.80E-04		3.52E-03	3.52E-03		3.52E-03	3.52E-03
Mobile		4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012
Total		**10.9155**	**4.9864**	**65.5409**	**0.1039**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7092**

PA2 - Rehab Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.5894	0.1025	8.8866	4.70E-04		0.0494	0.0494		0.0494	0.0494
Energy		0.023	0.1966	0.0836	1.25E-03		0.0159	0.0159		0.0159	0.0159
Mobile		1.0289	1.0177	9.93	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492
Total		**3.6413**	**1.3167**	**18.9002**	**0.0235**	**2.7621**	**0.0797**	**2.8417**	**0.7359**	**0.0786**	**0.8145**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Winter

PA3 - Rebuild Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.2081	0.3259	28.2779	1.50E-03		0.1571	0.1571		0.1571	0.1571
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416
Total		**16.0935**	**7.3368**	**97.2191**	**0.1566**	**20.0805**	**0.2608**	**20.3412**	**5.3502**	**0.2539**	**5.6041**

PA3 - Rehab Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.4935	0.0987	8.5575	4.50E-04		0.0476	0.0476		0.0476	0.0476
Energy		0.0222	0.1893	0.0805	1.21E-03		0.0153	0.0153		0.0153	0.0153
Mobile		0.961	0.9295	9.2795	0.0202	2.66	0.0126	2.6726	0.7087	0.0117	0.7205
Total		**3.4766**	**1.2174**	**17.9175**	**0.0219**	**2.66**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7834**

Existing Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		11.4762	0.4553	39.4781	2.08E-03		0.2181	0.2181		0.2181	0.2181
Energy		0.1018	0.8699	0.3702	5.55E-03		0.0703	0.0703		0.0703	0.0703
Mobile		6.5201	8.0923	66.9264	0.1405	14.44	0.1216	14.5616	3.8463	0.1133	3.9596
Total		**18.0982**	**9.4175**	**106.7746**	**0.1481**	**14.44**	**0.41**	**14.8501**	**3.8463**	**0.4018**	**4.2481**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Summer

Harbor Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.5408	0.0446	3.8739	2.00E-04		0.0215	0.0215		0.0215	0.0215
Energy		0	0	0	0		0	0		0	0
Mobile		0.658	0.5593	5.503	0.0113	1.2022	8.39E-03	1.2106	0.3203	7.78E-03	0.328
Total		**2.1987**	**0.6039**	**9.3769**	**0.0115**	**1.2022**	**0.0299**	**1.2321**	**0.3203**	**0.0293**	**0.3495**

PA1 - Rebuild Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.4309	0.3347	29.069	1.54E-03		0.1612	0.1612		0.1612	0.1612
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		7.8655	7.5727	78.4689	0.1793	20.4721	0.1228	20.5949	5.4539	0.114	5.5679
Total		**17.3042**	**7.9786**	**107.5977**	**0.1813**	**20.4721**	**0.2894**	**20.7614**	**5.4539**	**0.2806**	**5.7345**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Summer

PA1 - Rehab Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.7272	0.0684	5.9345	3.10E-04		0.0329	0.0329		0.0329	0.0329
Energy		0.0153	0.131	0.0558	8.40E-04		0.0106	0.0106		0.0106	0.0106
Mobile		0.7434	0.6967	7.1762	0.0162	1.8411	0.0111	1.8522	0.4905	0.0104	0.5008
Total		**2.486**	**0.8961**	**13.1664**	**0.0173**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**

PA2 - Rebuild Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		6.1075	0.2166	18.7969	1.00E-03		0.1044	0.1044		0.1044	0.1044
Energy		5.10E-03	0.0464	0.0389	2.80E-04		3.52E-03	3.52E-03		3.52E-03	3.52E-03
Mobile		4.8971	4.3808	47.2153	0.107	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012
Total		**11.0097**	**4.6438**	**66.0511**	**0.1083**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7091**

PA2 - Rehab Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.5894	0.1025	8.8866	4.70E-04		0.0494	0.0494		0.0494	0.0494
Energy		0.023	0.1966	0.0836	1.25E-03		0.0159	0.0159		0.0159	0.0159
Mobile		1.0499	0.9439	10.0346	0.0227	2.7621	0.0143	2.7764	0.7359	0.0133	0.7492
Total		**3.6622**	**1.2429**	**19.0048**	**0.0244**	**2.7621**	**0.0796**	**2.8417**	**0.7359**	**0.0786**	**0.8145**

One San Pedro Specific Plan
Unmitigated Operational Criteria Pollutant Summary - Partial Preservation
Summer

PA3 - Rebuild Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.2081	0.3259	28.2779	1.50E-03		0.1571	0.1571		0.1571	0.1571
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		6.9929	6.4367	69.9216	0.1613	20.0805	0.0982	20.1787	5.3502	0.0913	5.4416
Total		**16.2088**	**6.8337**	**98.2592**	**0.1633**	**20.0805**	**0.2607**	**20.3412**	**5.3502**	**0.2539**	**5.6041**

PA3 - Rehab Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.4935	0.0987	8.5575	4.50E-04		0.0476	0.0476		0.0476	0.0476
Energy		0.0222	0.1893	0.0805	1.21E-03		0.0153	0.0153		0.0153	0.0153
Mobile		0.9806	0.862	9.3626	0.0211	2.66	0.0126	2.6726	0.7087	0.0117	0.7205
Total		**3.4962**	**1.1499**	**18.0006**	**0.0228**	**2.66**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7833**

Existing Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		11.4762	0.4553	39.4781	2.08E-03		0.2181	0.2181		0.2181	0.2181
Energy		0.1018	0.8699	0.3702	5.55E-03		0.0703	0.0703		0.0703	0.0703
Mobile		6.6366	7.5101	68.7325	0.1469	14.44	0.1215	14.5616	3.8463	0.1132	3.9595
Total		**18.2146**	**8.8353**	**108.5808**	**0.1545**	**14.44**	**0.41**	**14.85**	**3.8463**	**0.4017**	**4.248**

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One San Pedro Specific Plan
Annual Unmitigated Construction Emissions Summary - Historic Preservation Alternative

Maximum Annual Emissions by Phase

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Harbor	2.32E-01	8.34E-01	1.03E+00	2.20E-03	6.10E-02	3.42E-02	9.52E-02	1.63E-02	3.24E-02	4.87E-02
Phase 1	5.60E-01	2.58E+00	3.29E+00	7.07E-03	1.87E-01	1.07E-01	2.95E-01	5.01E-02	1.02E-01	1.52E-01
Phase 2	6.86E-01	2.66E+00	3.34E+00	7.09E-03	1.77E-01	1.11E-01	2.88E-01	4.72E-02	1.06E-01	1.53E-01
Phase 3	5.00E-01	2.06E+00	2.72E+00	5.85E-03	1.72E-01	8.55E-02	2.58E-01	4.47E-02	8.08E-02	1.26E-01

Harbor - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2023	0.0907	0.7967	0.9403	0.002	0.0514	0.0339	0.0853	0.013	0.0317	0.0447
2024	0.2317	0.8335	1.0253	0.0022	0.061	0.0342	0.0952	0.0163	0.0324	0.0487
2025	0.0351	0.0449	0.0589	0.00011	0.00157	0.0019	0.00347	0.00042	0.0019	0.00232
Max	**2.32E-01**	**8.34E-01**	**1.03E+00**	**2.20E-03**	**6.10E-02**	**3.42E-02**	**9.52E-02**	**1.63E-02**	**3.24E-02**	**4.87E-02**

Max year 2024

Phase 1 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2024	0.2677	2.2325	2.8893	5.91E-03	0.1347	0.098	0.2327	0.0348	0.0923	0.1271
2025	0.523	2.5778	3.2893	7.07E-03	0.1873	0.1072	0.2945	0.0501	0.1018	0.1519
2026	0.5603	1.9594	2.5152	5.27E-03	0.1259	0.082	0.2079	0.0336	0.0787	0.1124
Max	**5.60E-01**	**2.58E+00**	**3.29E+00**	**7.07E-03**	**1.87E-01**	**1.07E-01**	**2.95E-01**	**5.01E-02**	**1.02E-01**	**1.52E-01**

Phase 2 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2026	0.1065	0.8809	1.271	2.53E-03	0.0523	0.0369	0.0892	0.0129	0.0348	0.0477
2027	0.6856	2.659	3.3374	7.09E-03	0.1766	0.1112	0.2878	0.0472	0.1059	0.1531
2028	0.1622	0.4281	0.5431	1.13E-03	0.0251	0.018	0.0431	6.70E-03	0.0173	0.024
Max	**6.86E-01**	**2.66E+00**	**3.34E+00**	**7.09E-03**	**1.77E-01**	**1.11E-01**	**2.88E-01**	**4.72E-02**	**1.06E-01**	**1.53E-01**

Phase 3 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2028	0.4351	2.0637	2.7169	5.85E-03	0.1724	0.0855	0.2578	0.0447	0.0808	0.1255
2029	0.5	0.9103	1.1531	2.48E-03	0.0693	0.0379	0.1072	0.0185	0.0364	0.0549
Max	**5.00E-01**	**2.06E+00**	**2.72E+00**	**5.85E-03**	**1.72E-01**	**8.55E-02**	**2.58E-01**	**4.47E-02**	**8.08E-02**	**1.26E-01**

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One San Pedro Specific Plan
Annual Unmitigated Operaitonal Emissions Summary - Historic Preservation

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.30	0.06	5.42	0.00	0.00	0.03	0.03	0.00	0.03	0.03
Energy	0.02	0.16	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Mobile	1.28	1.61	13.31	0.03	2.79	0.02	2.82	0.74	0.02	0.77
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.60	1.83	18.80	0.03	2.79	0.07	2.86	0.74	0.06	0.81

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	5.58E-03	0.4842	3.00E-05		2.69E-03	2.69E-03		2.69E-03	2.69E-03
Energy	0	0	0	0		0	0		0	0
Mobile	0.1141	0.1109	1.0062	1.99E-03	0.2145	1.52E-03	0.2161	0.0572	1.42E-03	0.0587
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.89E-01**	**1.16E-01**	**1.49E+00**	**2.02E-03**	**2.15E-01**	**4.21E-03**	**2.19E-01**	**5.72E-02**	**4.11E-03**	**6.14E-02**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	2.60E-04		0.0273	0.0273		0.0273	0.0273
Energy	0.0186	0.1588	0.0676	1.01E-03		0.0128	0.0128		0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

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One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario A

Max Regional Daily Construction
Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		Tons/year					
By Year							
2023		0.0303	0.1978	0.939	0.00178	0.0514	0.0153
2024		0.22764	1.71467	10.6628	0.01903	0.32659	0.09498
2025		0.32968	1.88693	12.84	0.02387	0.51435	0.15362
2026		0.2758	1.3088	6.325	0.01505	0.8162	0.2309
2027		0.2658	1.2947	6.221	0.01485	0.816	0.2307
2028		0.693	1.3391	7.0117	0.01666	0.91575	0.25835
2029		0.8696	1.3574	7.3275	0.0174	0.96267	0.27117
2030		0.8356	1.3054	7.0314	0.01784	0.93341	0.26291
2031		0.34018	2.19729	11.98555	0.0238	0.3007	0.10372
2032		0.25029	1.35808	6.61902	0.01655	0.81243	0.23228
2033		0.2213	1.233	6.0058	0.01545	0.808	0.228
2034		1.49591	3.025	17.36344	0.03824	1.23693	0.3552
2035		1.76879	2.03074	9.7313	0.02512	1.31044	0.37001
2036		0.81422	1.48309	6.3607	0.01695	0.90159	0.25479
2037		1.9134	0.8352	4.4559	0.01124	0.57612	0.16252
By Phase							
Harbor		0.1611	0.2061	0.9762	0.00191	0.0645	0.0198
PA1		0.8696	1.88693	12.84	0.02387	0.96267	0.27117
PA2		1.5557	2.19729	11.98555	0.0238	0.91204	0.25704
PA3		1.9134	1.72477	10.30914	0.02053	0.90159	0.25479
By Overlap							
Harbor & Phase 1		0.38874	1.92077	12.8817	0.02396	0.51621	0.15432
Phase 2 & Phase 3		1.76879	3.025	17.36344	0.03824	1.31044	0.37001

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario A

Emissions By Year and Planning Area

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2023	Harbor	0.0303	0.1978	0.939	1.78E-03	0.0514	0.0153
2024	Harbor	0.1611	0.2061	0.9762	1.91E-03	0.0645	0.0198
	P1	0.22764	1.71467	10.6628	0.01903	0.32659	0.09498
2025	Harbor	0.0295	7.10E-03	0.0417	9.00E-05	1.86E-03	7.00E-04
	PA1	0.32968	1.88693	12.84	0.02387	0.51435	0.15362
2026	PA1	0.2758	1.3088	6.325	0.01505	0.8162	0.2309
2027	PA1	0.2658	1.2947	6.221	0.01485	0.816	0.2307
2028	PA1	0.693	1.3391	7.0117	0.01666	0.91575	0.25835
2029	PA1	0.8696	1.3574	7.3275	0.0174	0.96267	0.27117
2030	PA1	0.8356	1.3054	7.0314	0.01784	0.93341	0.26291
2031	PA2	0.34018	2.19729	11.98555	0.0238	0.3007	0.10372
2032	PA2	0.25029	1.35808	6.61902	0.01655	0.81243	0.23228
2033	PA2	0.2213	1.233	6.0058	0.01545	0.808	0.228
2034	PA2	1.28	1.30023	7.0543	0.01771	0.91204	0.25704
	PA3	0.21591	1.72477	10.30914	0.02053	0.32489	0.09816
2035	PA2	1.5557	0.5755	3.8057	0.00917	0.45793	0.12903
	PA3	0.21309	1.45524	5.9256	0.01595	0.85251	0.24098
2036	PA3	0.81422	1.48309	6.3607	0.01695	0.90159	0.25479
2037	PA3	1.9134	0.8352	4.4559	0.01124	0.57612	0.16252

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario A

Emissions by Phase, Planning Area, and Year

Scenario A

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			lbs/day					
2024	PA1	Demolition - Onsite	0.0906	0.5309	4.8884	7.36E-03	0.0462	0.0168
		Demolition - Offsite	0.0151	0.0599	0.166	6.50E-04	0.0598	0.0163
		Site Prep - Onsite	5.03E-03	0.0218	0.3105	4.10E-04	6.70E-04	6.70E-04
		Site Prep - Offsite	1.81E-03	1.37E-03	0.0193	6.00E-05	6.72E-03	1.81E-03
		Grading - Onsite	0.0886	0.4753	4.9366	7.45E-03	0.0692	0.0177
		Grading - Offsite	0.0265	0.6254	0.342	3.10E-03	0.144	0.0417
2025	PA1	Grading - Onsite	0.0454	0.2436	2.53	3.82E-03	0.0636	0.0121
		Grading - Offsite	0.013	0.3178	0.1698	1.56E-03	0.0738	0.0214
		BC - Onsite	0.0347	0.2632	1.6419	2.72E-03	4.21E-03	4.21E-03
		BC - OffSite	0.0741	0.2393	0.8037	3.08E-03	0.3055	0.0835
		Paving - Onsite	6.84E-03	0.0525	0.384	5.10E-04	8.30E-04	8.30E-04
		Paving - Offsite	1.94E-03	1.41E-03	0.0206	6.00E-05	7.71E-03	2.08E-03
		Utilities - Onsite	0.1436	0.7618	7.183	0.0118	0.0187	0.0187
		Utilities - Offsite	0.0101	7.32E-03	0.107	3.20E-04	0.04	0.0108
2026	PA1	BC - Onsite	0.0914	0.6939	4.3286	7.17E-03	0.0111	0.0111
		BC - OffSite	0.1844	0.6149	1.9964	7.88E-03	0.8051	0.2198
2027	PA1	BC - Onsite	0.0914	0.6939	4.3286	7.17E-03	0.0111	0.0111
		BC - OffSite	0.1744	0.6008	1.8924	7.68E-03	0.8049	0.2196
2028	PA1	BC - Onsite	0.091	0.6913	4.312	7.14E-03	0.0111	0.0111
		BC - OffSite	0.1647	0.5865	1.7996	7.47E-03	0.8015	0.2185
		AC - Onsite Offgas	0.4049				0	0
		AC - Onsite - Equipmen	0.0109	0.0471	0.6707	1.29E-03	1.45E-03	1.45E-03
		AC - Offsite	0.0215	0.0142	0.2294	7.60E-04	0.1017	0.0273

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario A

Emissions by Phase, Planning Area, and Year

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2029 PA1	BC - Onsite	0.0914	0.6939	4.3286	7.17E-03	0.0111	0.0111
	BC - OffSite	0.1564	0.5776	1.7302	7.33E-03	0.8044	0.2191
	AC - Onsite Offgas	0.5774				0	0
	AC - Onsite - Equipmen	0.0155	0.0672	0.9565	1.84E-03	2.07E-03	2.07E-03
	AC - Offsite	0.0289	0.0187	0.3122	1.06E-03	0.1451	0.0389
2030 PA1	BC - Onsite	0.0886	0.6727	4.1959	8.08E-03	0.0108	0.0108
	BC - OffSite	0.1435	0.5504	1.6135	6.96E-03	0.7795	0.2122
	AC - Onsite Offgas	0.5619				0	0
	AC - Onsite - Equipmen	0.0151	0.0654	0.9309	1.79E-03	2.01E-03	2.01E-03
	AC - Offsite	0.0265	0.0169	0.2911	1.01E-03	0.1411	0.0379
		PA2					
2031 PA2	Demolition - Onsite	0.091	0.5195	3.0045	5.69E-03	0.0437	0.0154
	Demolition - Offsite	6.63E-03	0.048	0.0807	4.00E-04	0.0396	0.0109
	Site Prep - Onsite	3.14E-03	0.0136	0.1934	3.10E-04	4.20E-04	4.20E-04
	Site Prep - Offsite	7.40E-04	4.70E-04	8.45E-03	3.00E-05	4.18E-03	1.12E-03
	Grading - Onsite	0.0888	0.5598	4.8266	8.17E-03	0.0475	0.0151
	Grading - Offsite	0.0176	0.4503	0.2537	2.13E-03	0.1225	0.0351
	Utilities - Onsite	0.1281	0.603	3.5709	6.91E-03	0.0194	0.0194
	Utilities - Offsite	4.17E-03	2.62E-03	0.0473	1.60E-04	0.0234	6.28E-03
2032 PA2	BC - Onsite	0.0946	0.7061	4.4273	8.66E-03	0.0115	0.0115
	BC - OffSite	0.1305	0.5188	1.5509	6.72E-03	0.7873	0.214
	Utilities - Onsite	9.02E-03	0.0425	0.2515	4.90E-04	1.37E-03	1.37E-03
	Utilities - Offsite	2.80E-04	1.70E-04	3.22E-03	1.00E-05	1.65E-03	4.40E-04
	Paving - Onsite	0.0146	0.0897	0.3711	6.20E-04	2.91E-03	2.91E-03
	Paving - Offsite	1.29E-03	8.10E-04	0.015	5.00E-05	7.70E-03	2.06E-03
2033 PA2	BC - Onsite	0.0957	0.7143	4.479	8.76E-03	0.0117	0.0117
	BC - OffSite	0.1256	0.5187	1.5268	6.69E-03	0.7963	0.2163

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario A

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2034 PA2	BC - Onsite	0.0957	0.7143	4.479	8.76E-03	0.0117	0.0117
	BC - OffSite	0.1199	0.5131	1.4882	6.61E-03	0.7962	0.2161
	AC - Onsite Offgas	1.0343				0	0
	AC - Onsite - Equipmen	0.0146	0.0632	0.8991	1.66E-03	1.94E-03	1.94E-03
	AC - Offsite	0.0155	9.63E-03	0.188	6.80E-04	0.1022	0.0273
2034 PA3	Demolition - Onsite	0.0434	0.2549	2.3403	4.16E-03	0.0468	0.0118
	Demolition - Offsite	4.49E-03	0.0456	0.0593	3.30E-04	0.0317	8.70E-03
	Site Prep - Onsite	2.39E-03	0.0104	0.1476	2.40E-04	3.20E-04	3.20E-04
	Site Prep - Offsite	4.80E-04	3.00E-04	5.74E-03	2.00E-05	3.19E-03	8.50E-04
	Grading - Onsite	0.0641	0.3447	3.572	6.05E-03	0.036	0.0113
	Grading - Offsite	0.015	0.5266	0.2451	2.25E-03	0.1208	0.035
	Utilities - Onsite	0.0635	0.4088	3.2256	5.83E-03	7.98E-03	7.98E-03
	Utilities - Offsite	2.87E-03	1.79E-03	0.0345	1.30E-04	0.0191	5.12E-03
	BC - Onsite	5.60E-03	0.0427	0.2652	5.10E-04	6.80E-04	6.80E-04
	BC - OffSite	7.68E-03	0.0462	0.0952	4.70E-04	0.0515	0.0141
	Paving - Onsite	5.48E-03	0.0422	0.3075	5.00E-04	6.60E-04	6.60E-04
	Paving - Offsite	9.20E-04	5.80E-04	0.0111	4.00E-05	6.16E-03	1.65E-03
2035 PA2	BC - Onsite	0.0372	0.2775	1.7399	3.40E-03	4.54E-03	4.54E-03
	BC - OffSite	0.0446	0.1976	0.5656	2.54E-03	0.3092	0.0839
	AC - Onsite Offgas	1.4333				0	0
	AC - Onsite - Equipmen	0.0202	0.0876	1.246	2.30E-03	2.69E-03	2.69E-03
	AC - Offsite	0.0204	0.0128	0.2542	9.30E-04	0.1415	0.0379
PA3	BC - Onsite	0.0914	0.697	4.3266	8.33E-03	0.0111	0.0111
	BC - OffSite	0.1201	0.7475	1.5194	7.49E-03	0.8397	0.2293
	Paving - Onsite	1.37E-03	0.0106	0.0769	1.20E-04	1.70E-04	1.70E-04
	Paving - Offsite	2.20E-04	1.40E-04	2.70E-03	1.00E-05	1.54E-03	4.10E-04

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario A

Scenario A

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2036 PA3	BC - Onsite	**0.0918**	**0.6997**	**4.3432**	**8.36E-03**	**0.0112**	**0.0112**
	BC - OffSite	**0.1206**	**0.7504**	**1.5252**	**7.52E-03**	**0.8429**	**0.2302**
	AC - Onsite Offgas	0.5885				0	0
	AC - Onsite - Equipmen	6.66E-03	0.0288	0.4105	7.60E-04	8.90E-04	8.90E-04
	AC - Offsite	**6.66E-03**	**4.19E-03**	**0.0818**	**3.10E-04**	**0.0466**	**0.0125**
2037 PA3	BC - Onsite	**0.0466**	**0.3552**	**2.2047**	**4.24E-03**	**5.66E-03**	**5.66E-03**
	BC - OffSite	**0.0612**	**0.3809**	**0.7743**	**3.81E-03**	**0.4279**	**0.1168**
	AC - Onsite Offgas	1.7656				0	0
	AC - Onsite - Equipmen	0.02	0.0865	1.2314	2.27E-03	2.66E-03	2.66E-03
	AC - Offsite	**0.02**	**0.0126**	**0.2455**	**9.20E-04**	**0.1399**	**0.0374**

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario B

Max Regional Daily Construction
Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		Tons/year					
By Year							
2023		0.0303	0.1978	0.939	0.00178	0.0514	0.0153
2024		0.22764	1.71467	10.6628	0.01903	0.32659	0.09498
2025		0.32968	1.88693	12.84	0.02387	0.51435	0.15362
2026		0.2758	1.3088	6.325	0.01505	0.8162	0.2309
2027		0.2658	1.2947	6.221	0.01485	0.816	0.2307
2028		0.7749	1.3391	7.0117	0.01666	0.91575	0.25835
2029		0.9864	1.3574	7.3275	0.0174	0.96267	0.27117
2030		0.9493	1.3054	7.0314	0.01784	0.93341	0.26291
2031		0.34018	2.19729	11.98555	0.0238	0.3007	0.10372
2032		0.25029	1.35808	6.61902	0.01655	0.81243	0.23228
2033		0.2213	1.233	6.0058	0.01545	0.808	0.228
2034		1.64021	3.025	17.36344	0.03824	1.23693	0.3552
2035		1.96889	2.03074	9.7313	0.02512	1.31044	0.37001
2036		0.64582	1.48309	6.3607	0.01695	0.90159	0.25479
2037		1.408	0.8352	4.4559	0.01124	0.57612	0.16252
By Phase							
Harbor		0.1611	0.2061	0.9762	0.00191	0.0645	0.0198
PA1		0.9864	1.88693	12.84	0.02387	0.96267	0.27117
PA2		1.7558	2.19729	11.98555	0.0238	0.91204	0.25704
PA3		1.408	1.72477	10.30914	0.02053	0.90159	0.25479
By Overlap							
Harbor & Phase 1		0.38874	1.92077	12.8817	0.02396	0.51621	0.15432
Phase 2 & Phase 3		1.96889	3.025	17.36344	0.03824	1.31044	0.37001

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario B

Emissions By Year and Planning Area

Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2023	Harbor	0.0303	0.1978	0.939	1.78E-03	0.0514	0.0153
2024	Harbor	0.1611	0.2061	0.9762	1.91E-03	0.0645	0.0198
	P1	0.22764	1.71467	10.6628	0.01903	0.32659	0.09498
2025	Harbor	0.0295	7.10E-03	0.0417	9.00E-05	1.86E-03	7.00E-04
	PA1	0.32968	1.88693	12.84	0.02387	0.51435	0.15362
2026	PA1	0.2758	1.3088	6.325	0.01505	0.8162	0.2309
2027	PA1	0.2658	1.2947	6.221	0.01485	0.816	0.2307
2028	PA1	0.7749	1.3391	7.0117	0.01666	0.91575	0.25835
2029	PA1	0.9864	1.3574	7.3275	0.0174	0.96267	0.27117
2030	PA1	0.9493	1.3054	7.0314	0.01784	0.93341	0.26291
2031	PA2	0.34018	2.19729	11.98555	0.0238	0.3007	0.10372
2032	PA2	0.25029	1.35808	6.61902	0.01655	0.81243	0.23228
2033	PA2	0.2213	1.233	6.0058	0.01545	0.808	0.228
2034	PA2	1.4243	1.30023	7.0543	0.01771	0.91204	0.25704
	PA3	0.21591	1.72477	10.30914	0.02053	0.32489	0.09816
2035	PA2	1.7558	0.5755	3.8057	0.00917	0.45793	0.12903
	PA3	0.21309	1.45524	5.9256	0.01595	0.85251	0.24098
2036	PA3	0.64582	1.48309	6.3607	0.01695	0.90159	0.25479
2037	PA3	1.408	0.8352	4.4559	0.01124	0.57612	0.16252

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario B

Emissions by Phase, Planning Area, and Year

Scenario B

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			lbs/day					
2024	PA1	Demolition - Onsite	0.0906	0.5309	4.8884	0.00736	0.0462	0.0168
		Demolition - Offsite	0.0151	0.0599	0.166	0.00065	0.0598	0.0163
		Site Prep - Onsite	0.00503	0.0218	0.3105	0.00041	0.00067	0.00067
		Site Prep - Offsite	0.00181	0.00137	0.0193	0.00006	0.00672	0.00181
		Grading - Onsite	0.0886	0.4753	4.9366	0.00745	0.0692	0.0177
		Grading - Offsite	0.0265	0.6254	0.342	0.0031	0.144	0.0417
2025	PA1	Grading - Onsite	0.0454	0.2436	2.53	0.00382	0.0636	0.0121
		Grading - Offsite	0.013	0.3178	0.1698	0.00156	0.0738	0.0214
		BC - Onsite	0.0347	0.2632	1.6419	0.00272	0.00421	0.00421
		BC - OffSite	0.0741	0.2393	0.8037	0.00308	0.3055	0.0835
		Paving - Onsite	0.00684	0.0525	0.384	0.00051	0.00083	0.00083
		Paving - Offsite	0.00194	0.00141	0.0206	0.00006	0.00771	0.00208
		Utilities - Onsite	0.1436	0.7618	7.183	0.0118	0.0187	0.0187
		Utilities - Offsite	0.0101	0.00732	0.107	0.00032	0.04	0.0108
2026	PA1	BC - Onsite	0.0914	0.6939	4.3286	0.00717	0.0111	0.0111
		BC - OffSite	0.1844	0.6149	1.9964	0.00788	0.8051	0.2198
2027	PA1	BC - Onsite	0.0914	0.6939	4.3286	0.00717	0.0111	0.0111
		BC - OffSite	0.1744	0.6008	1.8924	0.00768	0.8049	0.2196
2028	PA1	BC - Onsite	0.091	0.6913	4.312	0.00714	0.0111	0.0111
		BC - OffSite	0.1647	0.5865	1.7996	0.00747	0.8015	0.2185
		AC - Onsite Offgas	0.4868				0	0
		AC - Onsite - Equipmer	0.0109	0.0471	0.6707	0.00129	0.00145	0.00145
		AC - Offsite	0.0215	0.0142	0.2294	0.00076	0.1017	0.0273

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario B

Emissions by Phase, Planning Area, and Year

Scenario B

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			lbs/day					
2029	PA1	BC - Onsite	0.0914	0.6939	4.3286	0.00717	0.0111	0.0111
		BC - OffSite	0.1564	0.5776	1.7302	0.00733	0.8044	0.2191
		AC - Onsite Offgas	0.6942				0	0
		AC - Onsite - Equipmer	0.0155	0.0672	0.9565	0.00184	0.00207	0.00207
		AC - Offsite	0.0289	0.0187	0.3122	0.00106	0.1451	0.0389
2030	PA1	BC - Onsite	0.0886	0.6727	4.1959	0.00808	0.0108	0.0108
		BC - OffSite	0.1435	0.5504	1.6135	0.00696	0.7795	0.2122
		AC - Onsite Offgas	0.6756				0	0
		AC - Onsite - Equipmer	0.0151	0.0654	0.9309	0.00179	0.00201	0.00201
		AC - Offsite	0.0265	0.0169	0.2911	0.00101	0.1411	0.0379
2031	PA2	Demolition - Onsite	0.091	0.5195	3.0045	0.00569	0.0437	0.0154
		Demolition - Offsite	0.00663	0.048	0.0807	0.0004	0.0396	0.0109
		Site Prep - Onsite	0.00314	0.0136	0.1934	0.00031	0.00042	0.00042
		Site Prep - Offsite	0.00074	0.00047	0.00845	0.00003	0.00418	0.00112
		Grading - Onsite	0.0888	0.5598	4.8266	0.00817	0.0475	0.0151
		Grading - Offsite	0.0176	0.4503	0.2537	0.00213	0.1225	0.0351
		Utilities - Onsite	0.1281	0.603	3.5709	0.00691	0.0194	0.0194
		Utilities - Offsite	0.00417	0.00262	0.0473	0.00016	0.0234	0.00628
2032	PA2	BC - Onsite	0.0946	0.7061	4.4273	0.00866	0.0115	0.0115
		BC - OffSite	0.1305	0.5188	1.5509	0.00672	0.7873	0.214
		Utilities - Onsite	0.00902	0.0425	0.2515	0.00049	0.00137	0.00137
		Utilities - Offsite	0.00028	0.00017	0.00322	0.00001	0.00165	0.00044
		Paving - Onsite	0.0146	0.0897	0.3711	0.00062	0.00291	0.00291
		Paving - Offsite	0.00129	0.00081	0.015	0.00005	0.0077	0.00206
2033	PA2	BC - Onsite	0.0957	0.7143	4.479	0.00876	0.0117	0.0117
		BC - OffSite	0.1256	0.5187	1.5268	0.00669	0.7963	0.2163

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario B

Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2034 PA2	BC - Onsite	0.0957	0.7143	4.479	0.00876	0.0117	0.0117
	BC - OffSite	0.1199	0.5131	1.4882	0.00661	0.7962	0.2161
	AC - Onsite Offgas	1.1786				0	0
	AC - Onsite - Equipmer	0.0146	0.0632	0.8991	0.00166	0.00194	0.00194
	AC - Offsite	0.0155	0.00963	0.188	0.00068	0.1022	0.0273
2034 PA3	Demolition - Onsite	0.0434	0.2549	2.3403	0.00416	0.0468	0.0118
	Demolition - Offsite	0.00449	0.0456	0.0593	0.00033	0.0317	0.0087
	Site Prep - Onsite	0.00239	0.0104	0.1476	0.00024	0.00032	0.00032
	Site Prep - Offsite	0.00048	0.0003	0.00574	0.00002	0.00319	0.00085
	Grading - Onsite	0.0641	0.3447	3.572	0.00605	0.036	0.0113
	Grading - Offsite	0.015	0.5266	0.2451	0.00225	0.1208	0.035
	Utilities - Onsite	0.0635	0.4088	3.2256	0.00583	0.00798	0.00798
	Utilities - Offsite	0.00287	0.00179	0.0345	0.00013	0.0191	0.00512
	BC - Onsite	0.0056	0.0427	0.2652	0.00051	0.00068	0.00068
	BC - OffSite	0.00768	0.0462	0.0952	0.00047	0.0515	0.0141
	Paving - Onsite	0.00548	0.0422	0.3075	0.0005	0.00066	0.00066
	Paving - Offsite	0.00092	0.00058	0.0111	0.00004	0.00616	0.00165
2035 PA2	BC - Onsite	0.0372	0.2775	1.7399	0.0034	0.00454	0.00454
	BC - OffSite	0.0446	0.1976	0.5656	0.00254	0.3092	0.0839
	AC - Onsite Offgas	1.6334				0	0
	AC - Onsite - Equipmer	0.0202	0.0876	1.246	0.0023	0.00269	0.00269
	AC - Offsite	0.0204	0.0128	0.2542	0.00093	0.1415	0.0379
PA3	BC - Onsite	0.0914	0.697	4.3266	0.00833	0.0111	0.0111
	BC - OffSite	0.1201	0.7475	1.5194	0.00749	0.8397	0.2293
	Paving - Onsite	0.00137	0.0106	0.0769	0.00012	0.00017	0.00017
	Paving - Offsite	0.00022	0.00014	0.0027	0.00001	0.00154	0.00041

One San Pedro Specific Plan
Mitigated Construction Regional Criteria Pollutant Summary - Scenario B

Scenario B

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		lbs/day					
2036 PA3	BC - Onsite	0.0918	0.6997	4.3432	0.00836	0.0112	0.0112
	BC - OffSite	0.1206	0.7504	1.5252	0.00752	0.8429	0.2302
	AC - Onsite Offgas	0.4201				0	0
	AC - Onsite - Equipmer	0.00666	0.0288	0.4105	0.00076	0.00089	0.00089
	AC - Offsite	0.00666	0.00419	0.0818	0.00031	0.0466	0.0125
2037 PA3	BC - Onsite	0.0466	0.3552	2.2047	0.00424	0.00566	0.00566
	BC - OffSite	0.0612	0.3809	0.7743	0.00381	0.4279	0.1168
	AC - Onsite Offgas	1.2602				0	0
	AC - Onsite - Equipmer	0.02	0.0865	1.2314	0.00227	0.00266	0.00266
	AC - Offsite	0.02	0.0126	0.2455	0.00092	0.1399	0.0374

Air Quality Appendix
AQ-8 Alternatives
C Mitigated
1 Proposed Project
b Operational Emissions Summary

One San Pedro Specific Plan
Mitigated Annual Operaitonal Emissions Summary - Proposed Project Scenario A

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	8.15	0.19	16.47	0.00	0.00	0.09	0.09	0.00	0.09	0.09
Energy	0.01	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	4.85	4.55	46.32	0.09	12.68	0.05	12.73	3.38	0.05	3.43
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**13.00**	**4.78**	**62.83**	**0.10**	**12.68**	**0.15**	**12.82**	**3.38**	**0.14**	**3.53**
Existing	3.21	1.71	17.31	0.03	2.58	0.06	2.64	0.69	0.06	0.75
NET	9.79	3.07	45.52	0.07	10.10	0.09	10.19	2.70	0.08	2.78

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	5.58E-03	0.4842	3.00E-05		2.69E-03	2.69E-03		2.69E-03	2.69E-03
Energy	0	0	0	0		0	0		0	0
Mobile	0.1141	0.1109	1.0062	1.99E-03	0.2145	1.52E-03	0.2161	0.0572	1.42E-03	0.0587
Waste						0	0		0	0
Water						0	0		0	0
Landscape Reduction	0.00435	0.001674	0.14526	0.000009	0	0.000807	0.000807	0	0.000807	0.000807
Total	**3.84E-01**	**1.15E-01**	**1.35E+00**	**2.01E-03**	**2.15E-01**	**3.40E-03**	**2.18E-01**	**5.72E-02**	**3.30E-03**	**6.06E-02**

PA1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.9047	0.0445	3.8649	2.00E-04		0.0215	0.0215		0.0215	0.0215
Energy	1.78E-03	0.0162	0.0136	1.00E-04		1.23E-03	1.23E-03		1.23E-03	1.23E-03
Mobile	1.2338	1.1866	11.6622	0.0244	3.0439	0.0159	3.0598	0.8123	0.0148	0.8271
Waste						0	0		0	0
Water						0	0		0	0
Landscape Reduction	0.03483	0.01335	1.15947	0.00006	0	0.00645	0.00645	0	0.00645	0.00645
Total	**3.11E+00**	**1.23E+00**	**1.44E+01**	**2.46E-02**	**3.04E+00**	**3.22E-02**	**3.08E+00**	**8.12E-01**	**3.11E-02**	**8.43E-01**

PA2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	3.0489	7.12E-02	6.1721	3.30E-04		3.44E-02	3.44E-02		3.44E-02	3.44E-02
Energy	1.89E-03	0.0172	0.0144	1.00E-04		1.30E-03	1.30E-03		1.30E-03	1.30E-03
Mobile	1.8503	1.7217	17.8415	0.0365	5.0087	0.019	5.0277	1.3369	0.0177	1.3546
Waste						0	0		0	0
Water						0	0		0	0
Landscape Reduction	0.05559	0.02136	1.85163	0.000099	0	0.01032	0.01032	0	0.01032	0.01032
Total	**4.85E+00**	**1.79E+00**	**2.22E+01**	**3.68E-02**	**5.01E+00**	**4.44E-02**	**5.05E+00**	**1.34E+00**	**4.31E-02**	**1.38E+00**

PA3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.9194	6.86E-02	5.9453	3.20E-04		3.31E-02	3.31E-02		3.31E-02	3.31E-02
Energy	1.45E-03	0.0132	0.0111	8.00E-05		1.00E-03	1.00E-03		1.00E-03	1.00E-03
Mobile	1.6495	1.5283	15.8147	0.0321	4.4091	0.0168	4.4258	1.1768	0.0156	1.1924
Waste						0	0		0	0
Water						0	0		0	0
Landscape Reduction	0.05355	0.02058	1.78359	0.000096	0	0.00993	0.00993	0	0.00993	0.00993
Total	**4.52E+00**	**1.59E+00**	**2.00E+01**	**3.24E-02**	**4.41E+00**	**4.10E-02**	**4.45E+00**	**1.18E+00**	**3.98E-02**	**1.22E+00**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	2.60E-04		0.0273	0.0273		0.0273	0.0273
Energy	0.0186	0.1588	0.0676	1.01E-03		0.0128	0.0128		0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

Mitigation

Landscape Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Unmitigated										
Harbor	0.0145	5.58E-03	0.4842	3.00E-05		2.69E-03	2.69E-03		2.69E-03	2.69E-03
PA 1	0.1161	0.0445	3.8649	2.00E-04		0.0215	0.0215		0.0215	0.0215
PA2	0.1853	0.0712	6.1721	3.30E-04		0.0344	0.0344		0.0344	0.0344
PA3	0.1785	0.0686	5.9453	3.20E-04		0.0331	0.0331		0.0331	0.0331
Mitigated	30% Electric Landscape Equipment				(reduction)					
Harbor	0.00435	0.001674	0.14526	0.000009	0	0.000807	0.000807	0	0.000807	0.000807
PA 1	0.03483	0.01335	1.15947	0.00006	0	0.00645	0.00645	0	0.00645	0.00645
PA2	0.05559	0.02136	1.85163	0.000099	0	0.01032	0.01032	0	0.01032	0.01032
PA3	0.05355	0.02058	1.78359	0.000096	0	0.00993	0.00993	0	0.00993	0.00993

One San Pedro Specific Plan
Mitigated Annual Operaitonal Emissions Summary - Proposed Project Scenario B

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	8.1133	0.18988	16.468	0.00088	0	0.09159	0.09159	0	0.09159	0.09159
Energy	0.00512	0.04655	0.03913	0.00028	0	0.00354	0.00354	0	0.00354	0.00354
Mobile	4.8666	4.5733	46.3541	0.09549	12.676	0.05382	12.73	3.3831	0.05012	3.4333
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**1.30E+01**	**4.81E+00**	**6.29E+01**	**9.67E-02**	**1.27E+01**	**1.49E-01**	**1.28E+01**	**3.38E+00**	**1.45E-01**	**3.53E+00**
Existing	3.21	1.71	17.31	0.03	2.58	0.06	2.64	0.69	0.06	0.75
NET	9.77	3.10	45.55	0.07	10.10	0.09	10.19	2.70	0.08	2.78

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	0.00558	0.4842	0.00003	0	0.00269	0.00269	0	0.00269	0.00269
Energy	0	0	0	0	0	0	0	0	0	0
Mobile	0.1141	0.1109	1.0062	0.00199	0.2145	0.00152	0.2161	0.0572	0.00142	0.0587
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Landscape Reduction	0.00435	0.001674	0.14526	0.000009	0	0.000807	0.000807	0	0.000807	0.000807
Total	**3.84E-01**	**1.15E-01**	**1.35E+00**	**2.01E-03**	**2.15E-01**	**3.40E-03**	**2.18E-01**	**5.72E-02**	**3.30E-03**	**6.06E-02**

PA1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.2881	0.0534	4.6381	2.50E-04		0.0258	0.0258		0.0258	0.0258
Energy	2.17E-03	0.0197	0.0166	1.20E-04		1.50E-03	1.50E-03		1.50E-03	1.50E-03
Mobile	1.4842	1.4275	13.9196	0.0294	3.6679	0.0189	3.6869	0.9788	0.0176	0.9964
Waste						0	0		0	0
Water						0	0		0	0
Landscape Reduction	0.04179	0.01602	1.39143	0.000075	0	0.00774	0.00774	0	0.00774	0.00774
Total	**3.73E+00**	**1.48E+00**	**1.72E+01**	**2.97E-02**	**3.67E+00**	**3.85E-02**	**3.71E+00**	**9.79E-01**	**3.72E-02**	**1.02E+00**

PA2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	3.4623	7.99E-02	6.9239	3.70E-04		3.85E-02	3.85E-02		3.85E-02	3.85E-02
Energy	2.32E-03	0.0211	0.0177	1.30E-04		1.60E-03	1.60E-03		1.60E-03	1.60E-03
Mobile	2.1457	2	20.7374	0.0425	5.8375	0.0221	5.8596	1.5581	0.0206	1.5787
Waste						0	0		0	0
Water						0	0		0	0
Landscape Reduction	0.0624	0.02397	2.07717	0.000111	0	0.01155	0.01155	0	0.01155	0.01155
Total	**5.55E+00**	**2.08E+00**	**2.56E+01**	**4.29E-02**	**5.84E+00**	**5.07E-02**	**5.89E+00**	**1.56E+00**	**4.92E-02**	**1.61E+00**

PA3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0884	0.051	4.4218	2.30E-04		0.0246	0.0246		0.0246	0.0246
Energy	6.30E-04	5.75E-03	4.83E-03	3.00E-05		4.40E-04	4.40E-04		4.40E-04	4.40E-04
Mobile	1.1226	1.0349	10.6909	0.0216	2.9561	0.0113	2.9674	0.789	0.0105	0.7995
Waste						0	0		0	0
Water						0	0		0	0
Landscape Reduction	0.03981	0.0153	1.32654	0.000069	0	0.00738	0.00738	0	0.00738	0.00738
Total	**3.17E+00**	**1.08E+00**	**1.38E+01**	**2.18E-02**	**2.96E+00**	**2.90E-02**	**2.99E+00**	**7.89E-01**	**2.82E-02**	**8.17E-01**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	0.00026	0	0.0273	0.0273	0	0.0273	0.0273
Energy	0.0186	0.1588	0.0676	0.00101	0	0.0128	0.0128	0	0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

Mitigation

Landscape Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Unmitigated										
Harbor	0.0145	5.58E-03	0.4842	3.00E-05		2.69E-03	2.69E-03		2.69E-03	2.69E-03
PA 1	0.1393	0.0534	4.6381	2.50E-04		0.0258	0.0258		0.0258	0.0258
PA2	0.208	0.0799	6.9239	3.70E-04		0.0385	0.0385		0.0385	0.0385
PA3	0.1327	0.051	4.4218	2.30E-04		0.0246	0.0246		0.0246	0.0246
Mitigated	30% Electric Landscape Equipment (reduction)									
Harbor	0.00435	0.001674	0.14526	0.000009	0	0.000807	0.000807	0	0.000807	0.000807
PA 1	0.04179	0.01602	1.39143	0.000075	0	0.00774	0.00774	0	0.00774	0.00774
PA2	0.0624	0.02397	2.07717	0.000111	0	0.01155	0.01155	0	0.01155	0.01155
PA3	0.03981	0.0153	1.32654	0.000069	0	0.00738	0.00738	0	0.00738	0.00738

Air Quality Appendix
AQ-8 Alternatives
C Mitigated
2 Partial Preservation
a Construction Emissions Summary

One San Pedro Specific Plan
Mitigated Annual Construction Emissions Summary - Proposed Project

Maximum Annual Emissions by Phase

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Harbor	1.61E-01	2.06E-01	9.76E-01	1.91E-03	6.10E-02	3.49E-03	6.45E-02	1.63E-02	3.46E-03	1.98E-02
Phase 1	1.17E+00	1.71E+00	1.05E+01	1.82E-02	7.20E-01	2.65E-02	7.41E-01	1.93E-01	2.63E-02	2.13E-01
Phase 2	8.29E-01	1.59E+00	7.75E+00	1.57E-02	5.04E-01	2.33E-02	5.25E-01	1.35E-01	2.24E-02	1.55E-01
Phase 3	1.32E+00	2.40E+00	8.48E+00	1.86E-02	6.03E-01	4.59E-02	6.49E-01	1.58E-01	4.54E-02	2.03E-01
Harbor + Phase 1 -2024	0.4124	1.9209	11.4744	0.02012	0.3273	0.02996	0.3573	0.0821	0.02979	0.1119
Harbor + Phase 1 - 2025	0.3944	1.6815	7.2568	0.01594	0.65727	0.0196	0.67686	0.17622	0.01924	0.1954
Phase 1 + Phase 2 - 2027	0.8545	1.9405	8.6078	0.01762	0.5682	0.03109	0.5993	0.1498	0.03002	0.1798
Phase 2 + 3 -2029 A	1.4705	2.9612	11.1356	0.02419	0.8158	0.05404	0.8698	0.21505	0.05341	0.26843

Harbor - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2023	0.0303	0.1978	0.939	1.78E-03	0.0486	2.71E-03	0.0514	0.0127	2.69E-03	0.0153
2024	0.1611	0.2061	0.9762	1.91E-03	0.061	3.49E-03	0.0645	0.0163	3.46E-03	0.0198
2025	0.0295	7.10E-03	0.0417	9.00E-05	1.57E-03	2.90E-04	1.86E-03	4.20E-04	2.80E-04	7.00E-04
Max	**1.61E-01**	**2.06E-01**	**9.76E-01**	**1.91E-03**	**6.10E-02**	**3.49E-03**	**6.45E-02**	**1.63E-02**	**3.46E-03**	**1.98E-02**

Max year 2024

Phase 1 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2024 - Rehab	0.086	0.6372	3.2917	5.71E-03	0.0831	8.27E-03	0.0914	0.0217	8.23E-03	0.0299
2025 - Rehab	0.1708	0.6318	3.2158	5.85E-03	0.0882	8.11E-03	0.0963	0.0236	8.06E-03	0.0316
2026 - Rehab	0.2163	0.5388	3.0081	5.50E-03	0.0773	7.44E-03	0.0848	0.0207	7.40E-03	0.0281
2024-Rebuild	0.1653	1.0776	7.2065	0.0125	0.1832	0.0182	0.2014	0.0441	0.0181	0.0622
2025 - Rebuild	0.1941	1.0426	3.9993	0.01	0.5675	0.0112	0.5787	0.1522	0.0109	0.1631
2026 -Rebuild	0.9584	1.0943	4.8261	0.0118	0.6431	0.013	0.6561	0.1723	0.0127	0.185
2027 - Rebuild	0.6987	0.6385	2.9179	7.10E-03	0.3866	7.79E-03	0.3944	0.1035	7.60E-03	0.1111
Max	**1.17E+00**	**1.71E+00**	**1.05E+01**	**1.82E-02**	**7.20E-01**	**2.65E-02**	**7.41E-01**	**1.93E-01**	**2.63E-02**	**2.13E-01**

Phase 2 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2027 - Rehab	0.1008	0.7731	3.4711	6.17E-03	0.1178	0.0133	0.1311	0.0307	0.0128	0.0435
2028 - Rehab	0.3646	0.6754	3.5698	6.73E-03	0.1392	8.93E-03	0.1481	0.0372	8.87E-03	0.0461
2029 - Rehab	0.0909	0.1383	0.7629	1.44E-03	0.029	1.89E-03	0.0309	7.75E-03	1.88E-03	9.63E-03
2027 - Rebuild	0.055	0.5289	2.2188	4.35E-03	0.0638	0.01	0.0738	0.0156	9.62E-03	0.0252
2028 - Rebuild	0.4639	0.9193	4.1838	8.95E-03	0.3647	0.0119	0.3765	0.0975	0.0117	0.1092
2029 - Rebuild	0.6087	0.4226	1.8949	4.15E-03	0.1841	6.21E-03	0.1903	0.0493	6.13E-03	0.0554
Max	**8.29E-01**	**1.59E+00**	**7.75E+00**	**1.57E-02**	**5.04E-01**	**2.33E-02**	**5.25E-01**	**1.35E-01**	**2.24E-02**	**1.55E-01**

Phase 3 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2030 - Rehab	0.1223	0.65	3.3545	6.80E-03	0.1176	8.44E-03	0.1261	0.0306	8.40E-03	0.039
2031 - Rehab	0.3551	0.4605	2.5413	5.24E-03	0.0937	6.28E-03	0.0999	0.025	6.25E-03	0.0313
2029 - Rebuild	0.6486	1.7503	5.1233	0.0118	0.4851	0.0375	0.5225	0.1274	0.037	0.1644
2030 - Rebuild	0.9698	0.5822	1.6402	4.25E-03	0.2235	9.28E-03	0.2327	0.0598	9.18E-03	0.069
Max	**1.32E+00**	**2.40E+00**	**8.48E+00**	**1.86E-02**	**6.03E-01**	**4.59E-02**	**6.49E-01**	**1.58E-01**	**4.54E-02**	**2.03E-01**

One San Pedro Specific Plan
Mitigated Annual Operaitonal Emissions Summary - Partial Preservation - Phase 1 Rehab

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	5.86	0.15	12.92	0.00	0.00	0.07	0.07	0.00	0.07	0.07
Energy	0.01	0.13	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Mobile	4.08	4.27	41.14	0.09	11.12	0.06	11.18	2.97	0.06	3.02
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**9.96**	**4.54**	**54.14**	**0.09**	**11.12**	**0.14**	**11.26**	**2.97**	**0.14**	**3.11**
Existing	3.21	1.71	17.31	0.03	2.58	0.06	2.64	0.69	0.06	0.75
NET	6.75	2.83	36.83	0.07	8.54	0.08	8.62	2.28	0.08	2.36

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	5.58E-03	0.4842	3.00E-05		2.69E-03	2.69E-03		2.69E-03	2.69E-03
Energy	0	0	0	0		0	0		0	0
Mobile	0.1141	0.1109	1.0062	1.99E-03	0.2145	1.52E-03	0.2161	0.0572	1.42E-03	0.0587
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.89E-01**	**1.16E-01**	**1.49E+00**	**2.02E-03**	**2.15E-01**	**4.21E-03**	**2.19E-01**	**5.72E-02**	**4.11E-03**	**6.14E-02**

Phase 1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.305	8.54E-03	0.7418	4.00E-05		4.12E-03	4.12E-03		4.12E-03	4.12E-03
Energy	2.80E-03	0.0239	0.0102	1.50E-04		1.93E-03	1.93E-03		1.93E-03	1.93E-03
Mobile	0.1304	0.1385	1.2969	2.85E-03	0.3285	2.03E-03	0.3306	0.0877	1.88E-03	0.0895
Waste						0	0		0	0
Water						0	0		0	0
Total	**4.38E-01**	**1.71E-01**	**2.05E+00**	**3.04E-03**	**3.29E-01**	**8.08E-03**	**3.37E-01**	**8.77E-02**	**7.93E-03**	**9.56E-02**

Phase 2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.4573	0.0128	1.1108	6.00E-05		6.18E-03	6.18E-03		6.18E-03	6.18E-03
Energy	4.20E-03	0.0359	0.0153	2.30E-04		2.90E-03	2.90E-03		2.90E-03	2.90E-03
Mobile	0.1843	0.1875	1.8183	4.00E-03	0.4929	2.61E-03	0.4955	0.1315	2.42E-03	0.134
Waste						0	0		0	0
Water						0	0		0	0
Total	**6.46E-01**	**2.36E-01**	**2.94E+00**	**4.29E-03**	**4.93E-01**	**1.17E-02**	**5.05E-01**	**1.32E-01**	**1.15E-02**	**1.43E-01**

Phase 3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.4403	0.0123	1.0697	6.00E-05		5.95E-03	5.95E-03		5.95E-03	5.95E-03
Energy	4.04E-03	0.0345	0.0147	2.20E-04		2.79E-03	2.79E-03		2.79E-03	2.79E-03
Mobile	0.1722	0.1712	1.6985	3.72E-03	0.4747	2.29E-03	0.477	0.1267	2.13E-03	0.1288
Waste						0	0		0	0
Water						0	0		0	0
Total	**6.17E-01**	**2.18E-01**	**2.78E+00**	**4.00E-03**	**4.75E-01**	**1.10E-02**	**4.86E-01**	**1.27E-01**	**1.09E-02**	**1.38E-01**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	2.60E-04		0.0273	0.0273		0.0273	0.0273
Energy	0.0186	0.1588	0.0676	1.01E-03		0.0128	0.0128		0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

One San Pedro Specific Plan
Mitigated Annual Operaitonal Emissions Summary - Partial Preservation - Phase 1 Rebuild

Total Annual Operational Emissions (Rebuild Only)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	4.3847	0.1096	9.5179	0.0005	0	0.0529	0.0529	0	0.0529	0.0529
Energy	0.00379	0.03446	0.02891	0.00021	0	0.00262	0.00262	0	0.00262	0.00262
Mobile	3.4791	3.6579	35.3227	0.0789	9.6087	0.0522	9.6609	2.564	0.0484	2.6125
Waste	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0
Total	**7.87E+00**	**3.80E+00**	**4.49E+01**	**7.96E-02**	**9.61E+00**	**1.08E-01**	**9.72E+00**	**2.56E+00**	**1.04E-01**	**2.67E+00**
Existing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET	7.87	3.80	44.87	0.08	9.61	0.11	9.72	2.56	0.10	2.67

Phase 1 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.6708	0.0418	3.6336	1.90E-04		0.0202	0.0202		0.0202	0.0202
Energy	1.43E-03	0.013	0.0109	8.00E-05		9.90E-04	9.90E-04		9.90E-04	9.90E-04
Mobile	1.3843	1.5072	14.1455	0.0316	3.6543	0.0223	3.6766	0.975	0.0207	0.9958
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.06E+00**	**1.56E+00**	**1.78E+01**	**3.19E-02**	**3.65E+00**	**4.35E-02**	**3.70E+00**	**9.75E-01**	**4.19E-02**	**1.02E+00**

Phase 2 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.0822	0.0271	2.3496	1.20E-04		1.31E-02	1.31E-02		1.31E-02	1.31E-02
Energy	9.30E-04	8.46E-03	7.11E-03	5.00E-05		6.40E-04	6.40E-04		6.40E-04	6.40E-04
Mobile	0.8607	0.8705	8.5526	1.89E-02	2.371	1.20E-02	2.383	0.6327	1.11E-02	0.6438
Waste						0	0		0	0
Water						0	0		0	0
Total	**1.94E+00**	**9.06E-01**	**1.09E+01**	**1.91E-02**	**2.37E+00**	**2.57E-02**	**2.40E+00**	**6.33E-01**	**2.48E-02**	**6.58E-01**

Phase 3 - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	1.6317	0.0407	3.5347	1.90E-04		1.96E-02	1.96E-02		1.96E-02	1.96E-02
Energy	1.43E-03	0.013	0.0109	8.00E-05		9.90E-04	9.90E-04		9.90E-04	9.90E-04
Mobile	1.2341	1.2802	12.6246	2.84E-02	3.5834	1.79E-02	3.6013	0.9563	1.66E-02	0.9729
Waste						0	0		0	0
Water						0	0		0	0
Total	**2.87E+00**	**1.33E+00**	**1.62E+01**	**2.87E-02**	**3.58E+00**	**3.85E-02**	**3.62E+00**	**9.56E-01**	**3.72E-02**	**9.93E-01**

Air Quality Appendix
AQ-8 Alternatives
C Mitigated
2 Partial Preservation
b Operational Emissions Summary

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Max Daily

Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		33.0974	1.1914	103.3963	0.00547	0	0.5741	0.5741	0	0.5741	0.5741
Energy		0.08124	0.7055	0.3784	0.00444	0	0.05614	0.05614	0	0.05614	0.05614
Mobile		22.7654	23.1337	224.4847	0.4972	62.3046	0.33329	62.6377	16.5996	0.30979	16.9092
Total		**55.94404**	**25.0306**	**328.2594**	**0.50711**	**62.3046**	**0.96353**	**63.26794**	**16.5996**	**0.94003**	**17.53944**
Existing		**18.0981**	**9.4175**	**106.7747**	**0.14813**	**14.44**	**0.41**	**14.85**	**3.8463**	**0.4017**	**4.248**
Net		**37.85**	**15.61**	**221.48**	**0.36**	**47.86**	**0.55**	**48.42**	**12.75**	**0.54**	**13.29**
Threshold		55	55	550	150			150			55
Exceed Threshodl		No	No	No	No			No			No

Harbor Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.5408	0.0446	3.8739	0.0002	0	0.0215	0.0215	0	0.0215	0.0215
Energy		0	0	0	0	0	0	0	0	0	0
Mobile		0.6407	0.6038	5.5068	0.0108	1.2022	0.00839	1.2106	0.3203	0.00779	0.328
Total		**2.1815**	**0.6484**	**9.3807**	**0.011**	**1.2022**	**0.02989**	**1.2321**	**0.3203**	**0.02929**	**0.3495**

PA1 - Rebui Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.4309	0.3347	29.069	0.00154	0	0.1612	0.1612	0	0.1612	0.1612
Energy		0.00782	0.0711	0.0598	0.00043	0	0.00541	0.00541	0	0.00541	0.00541
Mobile		7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679
Total		**17.16432**	**8.5737**	**106.2344**	**0.17377**	**20.4721**	**0.28941**	**20.76151**	**5.4539**	**0.28071**	**5.73451**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Max Daily

PA1 - Rehal Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.7272	0.0684	5.9345	0.00031	0	0.0329	0.0329	0	0.0329	0.0329
Energy		0.0153	0.131	0.0558	0.00084	0	0.0106	0.0106	0	0.0106	0.0106
Mobile		0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008
Total		**2.4713**	**0.9509**	**13.0666**	**0.01665**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**

PA2 - Rebui Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		6.1075	0.2166	18.7969	0.001	0	0.1044	0.1044	0	0.1044	0.1044
Energy		0.0051	0.0464	0.0389	0.00028	0	0.00352	0.00352	0	0.00352	0.00352
Mobile		4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012
Total		**10.9154**	**4.9865**	**65.5409**	**0.10388**	**13.2866**	**0.17362**	**13.46022**	**3.5401**	**0.16902**	**3.70912**

PA2 - Rehal Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.5894	0.1025	8.8866	0.00047	0	0.0494	0.0494	0	0.0494	0.0494
Energy		0.023	0.1966	0.0836	0.00125	0	0.0159	0.0159	0	0.0159	0.0159
Mobile		1.0289	1.0177	9.93	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492
Total		**3.6413**	**1.3168**	**18.9002**	**0.02342**	**2.7621**	**0.0797**	**2.8417**	**0.7359**	**0.0786**	**0.8145**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Max Daily

PA3 - Rebui Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.2081	0.3259	28.2779	0.0015	0	0.1571	0.1571	0	0.1571	0.1571
Energy		0.00782	0.0711	0.0598	0.00043	0	0.00541	0.00541	0	0.00541	0.00541
Mobile		6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416
Total		**16.09352**	**7.3368**	**97.2191**	**0.15653**	**20.0805**	**0.26071**	**20.34121**	**5.3502**	**0.25391**	**5.60411**

PA3 - Rehal Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.4935	0.0987	8.5575	0.00045	0	0.0476	0.0476	0	0.0476	0.0476
Energy		0.0222	0.1893	0.0805	0.00121	0	0.0153	0.0153	0	0.0153	0.0153
Mobile		0.961	0.9295	9.2795	0.0202	2.66	0.0126	2.6726	0.7087	0.0117	0.7205
Total		**3.4767**	**1.2175**	**17.9175**	**0.02186**	**2.66**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7834**

Existing Max Daily

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		11.4762	0.4553	39.4781	0.00208	0	0.2181	0.2181	0	0.2181	0.2181
Energy		0.1018	0.8699	0.3702	0.00555	0	0.0703	0.0703	0	0.0703	0.0703
Mobile		6.5201	8.0923	66.9264	0.1405	14.44	0.1216	14.5616	3.8463	0.1133	3.9596
Total		**18.0981**	**9.4175**	**106.7747**	**0.14813**	**14.44**	**0.41**	**14.85**	**3.8463**	**0.4017**	**4.248**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Winter

Harbor Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.5408	0.0446	3.8739	2.00E-04		0.0215	0.0215		0.0215	0.0215
Energy		0	0	0	0		0	0		0	0
Mobile		0.6407	0.6038	5.5068	0.0108	1.2022	8.39E-03	1.2106	0.3203	7.79E-03	0.328
Total		**2.1815**	**0.6484**	**9.3806**	**0.011**	**1.2022**	**0.0299**	**1.2321**	**0.3203**	**0.0293**	**0.3495**

PA1 - Rebuild Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.4309	0.3347	29.069	1.54E-03		0.1612	0.1612		0.1612	0.1612
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679
Total		**17.1643**	**8.5738**	**106.2344**	**0.1738**	**20.4721**	**0.2894**	**20.7615**	**5.4539**	**0.2807**	**5.7345**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Winter

PA1 - Rehab Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.7272	0.0684	5.9345	3.10E-04		0.0329	0.0329		0.0329	0.0329
Energy		0.0153	0.131	0.0558	8.40E-04		0.0106	0.0106		0.0106	0.0106
Mobile		0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008
Total		**2.4713**	**0.9509**	**13.0666**	**0.0166**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**

PA2 - Rebuild Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		6.1075	0.2166	18.7969	1.00E-03		0.1044	0.1044		0.1044	0.1044
Energy		5.10E-03	0.0464	0.0389	2.80E-04		3.52E-03	3.52E-03		3.52E-03	3.52E-03
Mobile		4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012
Total		**10.9155**	**4.9864**	**65.5409**	**0.1039**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7092**

PA2 - Rehab Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.5894	0.1025	8.8866	4.70E-04		0.0494	0.0494		0.0494	0.0494
Energy		0.023	0.1966	0.0836	1.25E-03		0.0159	0.0159		0.0159	0.0159
Mobile		1.0289	1.0177	9.93	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492
Total		**3.6413**	**1.3167**	**18.9002**	**0.0235**	**2.7621**	**0.0797**	**2.8417**	**0.7359**	**0.0786**	**0.8145**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Winter

PA3 - Rebuild Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.2081	0.3259	28.2779	1.50E-03		0.1571	0.1571		0.1571	0.1571
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416
Total		**16.0935**	**7.3368**	**97.2191**	**0.1566**	**20.0805**	**0.2608**	**20.3412**	**5.3502**	**0.2539**	**5.6041**

PA3 - Rehab Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.4935	0.0987	8.5575	4.50E-04		0.0476	0.0476		0.0476	0.0476
Energy		0.0222	0.1893	0.0805	1.21E-03		0.0153	0.0153		0.0153	0.0153
Mobile		0.961	0.9295	9.2795	0.0202	2.66	0.0126	2.6726	0.7087	0.0117	0.7205
Total		**3.4766**	**1.2174**	**17.9175**	**0.0219**	**2.66**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7834**

Existing Winter

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		11.4762	0.4553	39.4781	2.08E-03		0.2181	0.2181		0.2181	0.2181
Energy		0.1018	0.8699	0.3702	5.55E-03		0.0703	0.0703		0.0703	0.0703
Mobile		6.5201	8.0923	66.9264	0.1405	14.44	0.1216	14.5616	3.8463	0.1133	3.9596
Total		**18.0982**	**9.4175**	**106.7746**	**0.1481**	**14.44**	**0.41**	**14.8501**	**3.8463**	**0.4018**	**4.2481**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Summer

Harbor Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.5408	0.0446	3.8739	2.00E-04		0.0215	0.0215		0.0215	0.0215
Energy		0	0	0	0		0	0		0	0
Mobile		0.658	0.5593	5.503	0.0113	1.2022	8.39E-03	1.2106	0.3203	7.78E-03	0.328
Total		**2.1987**	**0.6039**	**9.3769**	**0.0115**	**1.2022**	**0.0299**	**1.2321**	**0.3203**	**0.0293**	**0.3495**

PA1 - Rebuild Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.4309	0.3347	29.069	1.54E-03		0.1612	0.1612		0.1612	0.1612
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		7.8655	7.5727	78.4689	0.1793	20.4721	0.1228	20.5949	5.4539	0.114	5.5679
Total		**17.3042**	**7.9786**	**107.5977**	**0.1813**	**20.4721**	**0.2894**	**20.7614**	**5.4539**	**0.2806**	**5.7345**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Summer

PA1 - Rehab Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		1.7272	0.0684	5.9345	3.10E-04		0.0329	0.0329		0.0329	0.0329
Energy		0.0153	0.131	0.0558	8.40E-04		0.0106	0.0106		0.0106	0.0106
Mobile		0.7434	0.6967	7.1762	0.0162	1.8411	0.0111	1.8522	0.4905	0.0104	0.5008
Total		**2.486**	**0.8961**	**13.1664**	**0.0173**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**

PA2 - Rebuild Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		6.1075	0.2166	18.7969	1.00E-03		0.1044	0.1044		0.1044	0.1044
Energy		5.10E-03	0.0464	0.0389	2.80E-04		3.52E-03	3.52E-03		3.52E-03	3.52E-03
Mobile		4.8971	4.3808	47.2153	0.107	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012
Total		**11.0097**	**4.6438**	**66.0511**	**0.1083**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7091**

PA2 - Rehab Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.5894	0.1025	8.8866	4.70E-04		0.0494	0.0494		0.0494	0.0494
Energy		0.023	0.1966	0.0836	1.25E-03		0.0159	0.0159		0.0159	0.0159
Mobile		1.0499	0.9439	10.0346	0.0227	2.7621	0.0143	2.7764	0.7359	0.0133	0.7492
Total		**3.6622**	**1.2429**	**19.0048**	**0.0244**	**2.7621**	**0.0796**	**2.8417**	**0.7359**	**0.0786**	**0.8145**

One San Pedro Specific Plan
Mitigated Operational Criteria Pollutant Summary - Partial Preservation
Summer

PA3 - Rebuild Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		9.2081	0.3259	28.2779	1.50E-03		0.1571	0.1571		0.1571	0.1571
Energy		7.82E-03	0.0711	0.0598	4.30E-04		5.41E-03	5.41E-03		5.41E-03	5.41E-03
Mobile		6.9929	6.4367	69.9216	0.1613	20.0805	0.0982	20.1787	5.3502	0.0913	5.4416
Total		**16.2088**	**6.8337**	**98.2592**	**0.1633**	**20.0805**	**0.2607**	**20.3412**	**5.3502**	**0.2539**	**5.6041**

PA3 - Rehab Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		2.4935	0.0987	8.5575	4.50E-04		0.0476	0.0476		0.0476	0.0476
Energy		0.0222	0.1893	0.0805	1.21E-03		0.0153	0.0153		0.0153	0.0153
Mobile		0.9806	0.862	9.3626	0.0211	2.66	0.0126	2.6726	0.7087	0.0117	0.7205
Total		**3.4962**	**1.1499**	**18.0006**	**0.0228**	**2.66**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7833**

Existing Summer

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category		lb/day									
Area		11.4762	0.4553	39.4781	2.08E-03		0.2181	0.2181		0.2181	0.2181
Energy		0.1018	0.8699	0.3702	5.55E-03		0.0703	0.0703		0.0703	0.0703
Mobile		6.6366	7.5101	68.7325	0.1469	14.44	0.1215	14.5616	3.8463	0.1132	3.9595
Total		**18.2146**	**8.8353**	**108.5808**	**0.1545**	**14.44**	**0.41**	**14.85**	**3.8463**	**0.4017**	**4.248**

Air Quality Appendix
AQ-8 Alternatives
C Mitigated
3 Historic Preservation
a Construction Emissions Summary

One San Pedro Specific Plan
Annual Mitigated Construction Emissions Summary - Historic Preservation Alternative

Maximum Annual Emissions by Phase

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Harbor	1.61E-01	2.06E-01	9.76E-01	1.91E-03	6.10E-02	3.49E-03	6.45E-02	1.63E-02	3.46E-03	1.98E-02
Phase 1	3.71E-01	6.90E-01	3.40E+00	6.65E-03	1.87E-01	8.67E-03	1.96E-01	5.01E-02	8.57E-03	5.86E-02
Phase 2	4.49E-01	6.82E-01	3.41E+00	6.62E-03	1.77E-01	8.67E-03	1.85E-01	4.72E-02	8.59E-03	5.58E-02
Phase 3	4.12E-01	5.86E-01	2.93E+00	5.62E-03	1.72E-01	7.47E-03	1.80E-01	4.47E-02	7.40E-03	5.21E-02

Harbor - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2023	0.0303	0.1978	0.939	1.78E-03	0.0486	2.71E-03	0.0514	0.0127	2.69E-03	0.0153
2024	0.1611	0.2061	0.9762	1.91E-03	0.061	3.49E-03	0.0645	0.0163	3.46E-03	0.0198
2025	0.0295	7.10E-03	0.0417	9.00E-05	1.57E-03	2.90E-04	1.86E-03	4.20E-04	2.80E-04	7.00E-04
Max	**1.61E-01**	**2.06E-01**	**9.76E-01**	**1.91E-03**	**6.10E-02**	**3.49E-03**	**6.45E-02**	**1.63E-02**	**3.46E-03**	**1.98E-02**

Max year 2024

Phase 1 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2024	0.0919	0.5942	3.2042	5.78E-03	0.1347	8.01E-03	0.1427	0.0348	7.94E-03	0.0428
2025	0.2994	0.69	3.3953	6.65E-03	0.1873	8.67E-03	0.196	0.0501	8.57E-03	0.0586
2026	0.3708	0.4444	2.4505	4.80E-03	0.1259	6.11E-03	0.132	0.0336	6.04E-03	0.0397
Max	**3.71E-01**	**6.90E-01**	**3.40E+00**	**6.65E-03**	**1.87E-01**	**8.67E-03**	**1.96E-01**	**5.01E-02**	**8.57E-03**	**5.86E-02**

Phase 2 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2026	0.0367	0.247	1.4328	2.49E-03	0.0523	3.54E-03	0.0558	0.0129	3.52E-03	0.0164
2027	0.4486	0.6815	3.4126	6.62E-03	0.1766	8.67E-03	0.1853	0.0472	8.59E-03	0.0558
2028	0.1197	0.0924	0.523	1.01E-03	0.0251	1.29E-03	0.0264	6.70E-03	1.28E-03	7.98E-03
Max	**4.49E-01**	**6.82E-01**	**3.41E+00**	**6.62E-03**	**1.77E-01**	**8.67E-03**	**1.85E-01**	**4.72E-02**	**8.59E-03**	**5.58E-02**

Phase 3 - Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
2028	0.2667	0.5864	2.9261	5.62E-03	0.1724	7.47E-03	0.1798	0.0447	7.40E-03	0.0521
2029	0.4118	0.2068	1.1082	2.23E-03	0.0693	2.77E-03	0.0721	0.0185	2.74E-03	0.0213
Max	**4.12E-01**	**5.86E-01**	**2.93E+00**	**5.62E-03**	**1.72E-01**	**7.47E-03**	**1.80E-01**	**4.47E-02**	**7.40E-03**	**5.21E-02**

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One San Pedro Specific Plan
Annual Mitigated Operaitonal Emissions Summary - Historic Preservation

Total Annual Operational Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.30	0.06	5.42	0.00	0.00	0.03	0.03	0.00	0.03	0.03
Energy	0.02	0.16	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Mobile	1.28	1.61	13.31	0.03	2.79	0.02	2.82	0.74	0.02	0.77
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.60	1.83	18.80	0.03	2.79	0.07	2.86	0.74	0.06	0.81

Harbor - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	0.2745	5.58E-03	0.4842	3.00E-05		2.69E-03	2.69E-03		2.69E-03	2.69E-03
Energy	0	0	0	0		0	0		0	0
Mobile	0.1141	0.1109	1.0062	1.99E-03	0.2145	1.52E-03	0.2161	0.0572	1.42E-03	0.0587
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.89E-01**	**1.16E-01**	**1.49E+00**	**2.02E-03**	**2.15E-01**	**4.21E-03**	**2.19E-01**	**5.72E-02**	**4.11E-03**	**6.14E-02**

Existing - Operation

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	tons/yr									
Area	2.0259	0.0569	4.9348	2.60E-04		0.0273	0.0273		0.0273	0.0273
Energy	0.0186	0.1588	0.0676	1.01E-03		0.0128	0.0128		0.0128	0.0128
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.708
Waste						0	0		0	0
Water						0	0		0	0
Total	**3.21E+00**	**1.71E+00**	**1.73E+01**	**2.72E-02**	**2.58E+00**	**6.22E-02**	**2.64E+00**	**6.88E-01**	**6.07E-02**	**7.48E-01**

Air Quality Appendix
AQ-8 Alternatives
D CalEEMod Output

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation Phase 1 - Rebuild

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	352.00	Dwelling Unit	2.20	352,000.00	1007
Strip Mall	17.00	1000sqft	0.50	17,000.00	0
General Office Building	23.00	1000sqft	0.50	23,000.00	0
Enclosed Parking with Elevator	511.00	Space	0.50	204,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Grading - See Assumptions

Demolition -

Trips and VMT - See assumptiosn

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	349.00
tblConstructionPhase	NumDays	230.00	698.00
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	8.00	61.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	30.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	8.00	61.00
tblConstructionPhase	PhaseEndDate	2/20/2025	8/2/2027
tblConstructionPhase	PhaseEndDate	1/1/2025	7/30/2027
tblConstructionPhase	PhaseEndDate	1/26/2024	4/26/2024
tblConstructionPhase	PhaseEndDate	2/14/2024	9/2/2024
tblConstructionPhase	PhaseEndDate	1/27/2025	12/10/2024
tblConstructionPhase	PhaseEndDate	2/2/2024	6/7/2024
tblConstructionPhase	PhaseStartDate	1/28/2025	4/1/2026
tblConstructionPhase	PhaseStartDate	2/15/2024	11/27/2024
tblConstructionPhase	PhaseStartDate	2/3/2024	6/8/2024
tblConstructionPhase	PhaseStartDate	1/2/2025	11/27/2024
tblConstructionPhase	PhaseStartDate	1/27/2024	4/27/2024
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	299.20	0.00
tblFireplaces	NumberNoFireplace	35.20	352.00
tblFireplaces	NumberWood	17.60	0.00
tblGrading	AcresOfGrading	61.00	8.00
tblGrading	AcresOfGrading	0.00	7.50
tblGrading	AcresOfGrading	0.00	61.00
tblGrading	MaterialExported	0.00	35,540.00
tblLandUse	LotAcreage	9.26	2.20
tblLandUse	LotAcreage	0.39	0.50
tblLandUse	LotAcreage	0.53	0.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	4.60	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.30	0.30
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Welders

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	4,443.00	2,221.00
tblVehicleTrips	CC_TL	8.40	10.49
tblVehicleTrips	CC_TL	8.40	10.49
tblVehicleTrips	CNW_TL	6.90	10.49
tblVehicleTrips	CNW_TL	6.90	10.49
tblVehicleTrips	CW_TL	16.60	10.49
tblVehicleTrips	CW_TL	16.60	10.49
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	35.70
tblVehicleTrips	ST_TR	42.04	35.70
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	35.70
tblVehicleTrips	SU_TR	20.43	35.70
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	35.70
tblVehicleTrips	WD_TR	44.32	35.70
tblWoodstoves	NumberCatalytic	17.60	0.00
tblWoodstoves	NumberNoncatalytic	17.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	0.5794	4.9256	6.7996	0.0133	0.2270	0.2148	0.4419	0.0498	0.2039	0.2537	0.0000	1,171.0458	1,171.0458	0.2289	0.0165	1,181.6928
2025	0.3606	2.5383	3.7565	0.0102	0.5675	0.0925	0.6600	0.1522	0.0869	0.2391	0.0000	925.4076	925.4076	0.1082	0.0349	938.4997
2026	1.2276	3.2950	4.8273	0.0124	0.6431	0.1251	0.7682	0.1723	0.1195	0.2918	0.0000	1,103.5556	1,103.5556	0.1179	0.0352	1,116.9773
2027	0.8742	2.0478	2.9657	7.5400e-003	0.3866	0.0786	0.4652	0.1035	0.0754	0.1789	0.0000	666.6628	666.6628	0.0698	0.0200	674.3670
Maximum	**1.2276**	**4.9256**	**6.7996**	**0.0133**	**0.6431**	**0.2148**	**0.7682**	**0.1723**	**0.2039**	**0.2918**	**0.0000**	**1,171.0458**	**1,171.0458**	**0.2289**	**0.0352**	**1,181.6928**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

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					
2024	0.1653	1.0776	7.2065	0.0125	0.1832	0.0182	0.2014	0.0441	0.0181	0.0622	0.0000	1,106.5532	1,106.5532	0.2243	0.0165	1,117.0854
2025	0.1941	1.0426	3.9993	0.0100	0.5675	0.0112	0.5787	0.1522	0.0109	0.1631	0.0000	913.4461	913.4461	0.1070	0.0349	926.5072
2026	0.9584	1.0943	4.8261	0.0118	0.6431	0.0130	0.6561	0.1723	0.0127	0.1850	0.0000	1,064.5099	1,064.5099	0.1139	0.0352	1,077.8302
2027	0.6987	0.6385	2.9179	7.1000e-003	0.3866	7.7900e-003	0.3944	0.1035	7.6000e-003	0.1111	0.0000	638.8451	638.8451	0.0669	0.0200	646.4771
Maximum	**0.9584**	**1.0943**	**7.2065**	**0.0125**	**0.6431**	**0.0182**	**0.6561**	**0.1723**	**0.0181**	**0.1850**	**0.0000**	**1,106.5532**	**1,106.5532**	**0.2243**	**0.0352**	**1,117.0854**

	ROG	NOx	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	**33.71**	**69.91**	**-3.27**	**4.73**	**2.41**	**90.17**	**21.61**	**1.19**	**89.86**	**45.88**	**0.00**	**3.71**	**3.71**	**2.44**	**0.00**	**3.67**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2024**	**3-31-2024**	1.0817	0.2626
2	**4-1-2024**	**6-30-2024**	0.9237	0.1943
3	**7-1-2024**	**9-30-2024**	1.9681	0.4179
4	**10-1-2024**	**12-31-2024**	1.5277	0.3611
5	**1-1-2025**	**3-31-2025**	0.7160	0.3066
6	**4-1-2025**	**6-30-2025**	0.7148	0.3008
7	**7-1-2025**	**9-30-2025**	0.7226	0.3041
8	**10-1-2025**	**12-31-2025**	0.7319	0.3134

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9	**1-1-2026**	**3-31-2026**	0.7112	0.3018
10	**4-1-2026**	**6-30-2026**	1.2518	0.5714
11	**7-1-2026**	**9-30-2026**	1.2656	0.5777
12	**10-1-2026**	**12-31-2026**	1.2755	0.5876
13	**1-1-2027**	**3-31-2027**	1.2428	0.5698
14	**4-1-2027**	**6-30-2027**	1.2471	0.5666
15	**7-1-2027**	**9-30-2027**	0.4290	0.1959
		Highest	1.9681	0.5876

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	1.6708	0.0418	3.6336	1.9000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	5.9433	5.9433	5.7100e-003	0.0000	6.0862
Energy	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	705.7023	705.7023	0.0586	7.3300e-003	709.3539
Mobile	1.3843	1.5072	14.1455	0.0316	3.6543	0.0223	3.6766	0.9750	0.0207	0.9958	0.0000	2,925.4575	2,925.4575	0.2015	0.1260	2,968.0459
Waste						0.0000	0.0000		0.0000	0.0000	40.8337	0.0000	40.8337	2.4132	0.0000	101.1637
Water						0.0000	0.0000		0.0000	0.0000	8.9724	100.2527	109.2250	0.9300	0.0228	139.2653
Total	**3.0565**	**1.5621**	**17.7901**	**0.0319**	**3.6543**	**0.0435**	**3.6977**	**0.9750**	**0.0419**	**1.0169**	**49.8060**	**3,737.3558**	**3,787.1618**	**3.6090**	**0.1561**	**3,923.9150**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.6708	0.0418	3.6336	1.9000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	5.9433	5.9433	5.7100e-003	0.0000	6.0862
Energy	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	705.7023	705.7023	0.0586	7.3300e-003	709.3539
Mobile	1.3843	1.5072	14.1455	0.0316	3.6543	0.0223	3.6766	0.9750	0.0207	0.9958	0.0000	2,925.4575	2,925.4575	0.2015	0.1260	2,968.0459
Waste						0.0000	0.0000		0.0000	0.0000	40.8337	0.0000	40.8337	2.4132	0.0000	101.1637
Water						0.0000	0.0000		0.0000	0.0000	8.9724	100.2527	109.2250	0.9300	0.0228	139.2653
Total	**3.0565**	**1.5621**	**17.7901**	**0.0319**	**3.6543**	**0.0435**	**3.6977**	**0.9750**	**0.0419**	**1.0169**	**49.8060**	**3,737.3558**	**3,787.1618**	**3.6090**	**0.1561**	**3,923.9150**

	ROG	NOx	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	Demolition	Demolition	1/1/2024	4/26/2024	5	85	
2	Site Preparation	Site Preparation	4/27/2024	6/7/2024	5	30	
3	Grading	Grading	6/8/2024	9/2/2024	5	61	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	11/27/2024	7/30/2027	5	698	
5	Paving	Paving	11/27/2024	12/10/2024	5	10	
6	Architectural Coating	Architectural Coating	4/1/2026	8/2/2027	5	349	
7	Utilities and Trenching	Grading	9/3/2024	11/26/2024	5	61	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0.5

Residential Indoor: 712,800; Residential Outdoor: 237,600; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 12,264 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	3	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Demolition	Excavators	4	8.00	158	0.38
Grading	Excavators	4	8.00	158	0.38
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Air Compressors	4	8.00	78	0.48
Grading	Generator Sets	2	8.00	84	0.74
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	2	8.00	64	0.46
Grading	Welders	4	8.00	46	0.45
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Generator Sets	2	8.00	84	0.74
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30
Utilities and Trenching	Concrete/Industrial Saws	2	8.00	81	0.73
Utilities and Trenching	Air Compressors	4	8.00	78	0.48
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30
Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46

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
Architectural Coating	12	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	352.00	78.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	16	40.00	0.00	344.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	29	73.00	0.00	2,221.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	30	75.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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					0.0372	0.0000	0.0372	5.6300e-003	0.0000	5.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1420	1.2395	1.8445	3.2500e-003		0.0567	0.0567		0.0537	0.0537	0.0000	282.9716	282.9716	0.0653	0.0000	284.6045
Total	**0.1420**	**1.2395**	**1.8445**	**3.2500e-003**	**0.0372**	**0.0567**	**0.0939**	**5.6300e-003**	**0.0537**	**0.0593**	**0.0000**	**282.9716**	**282.9716**	**0.0653**	**0.0000**	**284.6045**

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	3.6000e-004	0.0237	6.1300e-003	1.0000e-004	2.9600e-003	1.4000e-004	3.1000e-003	8.1000e-004	1.4000e-004	9.5000e-004	0.0000	9.8902	9.8902	5.6000e-004	1.5700e-003	10.3724
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	5.0300e-003	3.8200e-003	0.0539	1.6000e-004	0.0186	1.1000e-004	0.0187	4.9500e-003	1.0000e-004	5.0500e-003	0.0000	14.4089	14.4089	3.6000e-004	3.6000e-004	14.5247
Total	**5.3900e-003**	**0.0275**	**0.0600**	**2.6000e-004**	**0.0216**	**2.5000e-004**	**0.0218**	**5.7600e-003**	**2.4000e-004**	**6.0000e-003**	**0.0000**	**24.2991**	**24.2991**	**9.2000e-004**	**1.9300e-003**	**24.8971**

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3.2 Demolition - 2024

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					0.0167	0.0000	0.0167	2.5400e-003	0.0000	2.5400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0400	0.2703	2.1393	3.2500e-003		4.9800e-003	4.9800e-003		4.9800e-003	4.9800e-003	0.0000	282.9713	282.9713	0.0653	0.0000	284.6042
Total	**0.0400**	**0.2703**	**2.1393**	**3.2500e-003**	**0.0167**	**4.9800e-003**	**0.0217**	**2.5400e-003**	**4.9800e-003**	**7.5200e-003**	**0.0000**	**282.9713**	**282.9713**	**0.0653**	**0.0000**	**284.6042**

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	3.6000e-004	0.0237	6.1300e-003	1.0000e-004	2.9600e-003	1.4000e-004	3.1000e-003	8.1000e-004	1.4000e-004	9.5000e-004	0.0000	9.8902	9.8902	5.6000e-004	1.5700e-003	10.3724
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	5.0300e-003	3.8200e-003	0.0539	1.6000e-004	0.0186	1.1000e-004	0.0187	4.9500e-003	1.0000e-004	5.0500e-003	0.0000	14.4089	14.4089	3.6000e-004	3.6000e-004	14.5247
Total	**5.3900e-003**	**0.0275**	**0.0600**	**2.6000e-004**	**0.0216**	**2.5000e-004**	**0.0218**	**5.7600e-003**	**2.4000e-004**	**6.0000e-003**	**0.0000**	**24.2991**	**24.2991**	**9.2000e-004**	**1.9300e-003**	**24.8971**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

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					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0953	0.0782	1.0000e-004		6.5900e-003	6.5900e-003		6.0600e-003	6.0600e-003	0.0000	8.9484	8.9484	2.8900e-003	0.0000	9.0207
Total	**0.0103**	**0.0953**	**0.0782**	**1.0000e-004**	**3.9800e-003**	**6.5900e-003**	**0.0106**	**4.3000e-004**	**6.0600e-003**	**6.4900e-003**	**0.0000**	**8.9484**	**8.9484**	**2.8900e-003**	**0.0000**	**9.0207**

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	2.2000e-004	1.7000e-004	2.3800e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6357	0.6357	2.0000e-005	2.0000e-005	0.6408
Total	**2.2000e-004**	**1.7000e-004**	**2.3800e-003**	**1.0000e-005**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6357**	**0.6357**	**2.0000e-005**	**2.0000e-005**	**0.6408**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

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					1.7900e-003	0.0000	1.7900e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	5.3900e-003	0.0767	1.0000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	8.9484	8.9484	2.8900e-003	0.0000	9.0207
Total	**1.2400e-003**	**5.3900e-003**	**0.0767**	**1.0000e-004**	**1.7900e-003**	**1.7000e-004**	**1.9600e-003**	**1.9000e-004**	**1.7000e-004**	**3.6000e-004**	**0.0000**	**8.9484**	**8.9484**	**2.8900e-003**	**0.0000**	**9.0207**

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	2.2000e-004	1.7000e-004	2.3800e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6357	0.6357	2.0000e-005	2.0000e-005	0.6408
Total	**2.2000e-004**	**1.7000e-004**	**2.3800e-003**	**1.0000e-005**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6357**	**0.6357**	**2.0000e-005**	**2.0000e-005**	**0.6408**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

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					6.2500e-003	0.0000	6.2500e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1850	1.5466	2.2072	3.6600e-003		0.0686	0.0686		0.0655	0.0655	0.0000	313.7299	313.7299	0.0655	0.0000	315.3669
Total	**0.1850**	**1.5466**	**2.2072**	**3.6600e-003**	**6.2500e-003**	**0.0686**	**0.0748**	**7.6000e-004**	**0.0655**	**0.0663**	**0.0000**	**313.7299**	**313.7299**	**0.0655**	**0.0000**	**315.3669**

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	2.3300e-003	0.1531	0.0396	6.4000e-004	0.0191	9.2000e-004	0.0200	5.2500e-003	8.8000e-004	6.1300e-003	0.0000	63.8552	63.8552	3.6000e-003	0.0101	66.9682
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	6.5900e-003	5.0000e-003	0.0705	2.1000e-004	0.0244	1.4000e-004	0.0245	6.4800e-003	1.3000e-004	6.6100e-003	0.0000	18.8714	18.8714	4.7000e-004	4.7000e-004	19.0231
Total	**8.9200e-003**	**0.1581**	**0.1101**	**8.5000e-004**	**0.0435**	**1.0600e-003**	**0.0446**	**0.0117**	**1.0100e-003**	**0.0127**	**0.0000**	**82.7266**	**82.7266**	**4.0700e-003**	**0.0106**	**85.9913**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

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					2.8100e-003	0.0000	2.8100e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.2240	1.9377	2.9500e-003		4.5000e-003	4.5000e-003		4.5000e-003	4.5000e-003	0.0000	256.2890	256.2890	0.0616	0.0000	257.8295
Total	**0.0356**	**0.2240**	**1.9377**	**2.9500e-003**	**2.8100e-003**	**4.5000e-003**	**7.3100e-003**	**3.4000e-004**	**4.5000e-003**	**4.8400e-003**	**0.0000**	**256.2890**	**256.2890**	**0.0616**	**0.0000**	**257.8295**

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	2.3300e-003	0.1531	0.0396	6.4000e-004	0.0191	9.2000e-004	0.0200	5.2500e-003	8.8000e-004	6.1300e-003	0.0000	63.8552	63.8552	3.6000e-003	0.0101	66.9682
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	6.5900e-003	5.0000e-003	0.0705	2.1000e-004	0.0244	1.4000e-004	0.0245	6.4800e-003	1.3000e-004	6.6100e-003	0.0000	18.8714	18.8714	4.7000e-004	4.7000e-004	19.0231
Total	**8.9200e-003**	**0.1581**	**0.1101**	**8.5000e-004**	**0.0435**	**1.0600e-003**	**0.0446**	**0.0117**	**1.0100e-003**	**0.0127**	**0.0000**	**82.7266**	**82.7266**	**4.0700e-003**	**0.0106**	**85.9913**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

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	0.0226	0.2112	0.2174	4.1000e-004		9.4900e-003	9.4900e-003		8.9200e-003	8.9200e-003	0.0000	35.4667	35.4667	8.9500e-003	0.0000	35.6904
Total	**0.0226**	**0.2112**	**0.2174**	**4.1000e-004**		**9.4900e-003**	**9.4900e-003**		**8.9200e-003**	**8.9200e-003**	**0.0000**	**35.4667**	**35.4667**	**8.9500e-003**	**0.0000**	**35.6904**

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	1.0700e-003	0.0394	0.0144	1.8000e-004	6.1400e-003	1.9000e-004	6.3300e-003	1.7700e-003	1.8000e-004	1.9600e-003	0.0000	17.4617	17.4617	5.9000e-004	2.5200e-003	18.2262
Worker	0.0130	9.8900e-003	0.1394	4.1000e-004	0.0482	2.8000e-004	0.0485	0.0128	2.6000e-004	0.0131	0.0000	37.2936	37.2936	9.2000e-004	9.3000e-004	37.5934
Total	**0.0141**	**0.0493**	**0.1538**	**5.9000e-004**	**0.0544**	**4.7000e-004**	**0.0548**	**0.0146**	**4.4000e-004**	**0.0150**	**0.0000**	**54.7553**	**54.7553**	**1.5100e-003**	**3.4500e-003**	**55.8196**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

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	5.3700e-003	0.0518	0.2392	3.9000e-004		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	34.3210	34.3210	8.8300e-003	0.0000	34.5417
Total	**5.3700e-003**	**0.0518**	**0.2392**	**3.9000e-004**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**34.3210**	**34.3210**	**8.8300e-003**	**0.0000**	**34.5417**

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	1.0700e-003	0.0394	0.0144	1.8000e-004	6.1400e-003	1.9000e-004	6.3300e-003	1.7700e-003	1.8000e-004	1.9600e-003	0.0000	17.4617	17.4617	5.9000e-004	2.5200e-003	18.2262
Worker	0.0130	9.8900e-003	0.1394	4.1000e-004	0.0482	2.8000e-004	0.0485	0.0128	2.6000e-004	0.0131	0.0000	37.2936	37.2936	9.2000e-004	9.3000e-004	37.5934
Total	**0.0141**	**0.0493**	**0.1538**	**5.9000e-004**	**0.0544**	**4.7000e-004**	**0.0548**	**0.0146**	**4.4000e-004**	**0.0150**	**0.0000**	**54.7553**	**54.7553**	**1.5100e-003**	**3.4500e-003**	**55.8196**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

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	0.2226	2.0366	2.2546	4.2900e-003		0.0877	0.0877		0.0824	0.0824	0.0000	370.2725	370.2725	0.0932	0.0000	372.6034
Total	**0.2226**	**2.0366**	**2.2546**	**4.2900e-003**		**0.0877**	**0.0877**		**0.0824**	**0.0824**	**0.0000**	**370.2725**	**370.2725**	**0.0932**	**0.0000**	**372.6034**

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	0.0108	0.4091	0.1476	1.8300e-003	0.0642	1.9900e-003	0.0661	0.0185	1.9000e-003	0.0204	0.0000	179.0203	179.0203	6.2500e-003	0.0258	186.8666
Worker	0.1272	0.0927	1.3543	4.1000e-003	0.5034	2.8100e-003	0.5062	0.1337	2.5900e-003	0.1363	0.0000	376.1148	376.1148	8.7100e-003	9.0500e-003	379.0297
Total	**0.1381**	**0.5017**	**1.5019**	**5.9300e-003**	**0.5675**	**4.8000e-003**	**0.5723**	**0.1522**	**4.4900e-003**	**0.1567**	**0.0000**	**555.1351**	**555.1351**	**0.0150**	**0.0349**	**565.8963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

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	0.0561	0.5409	2.4974	4.1000e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	358.3111	358.3111	0.0920	0.0000	360.6109
Total	**0.0561**	**0.5409**	**2.4974**	**4.1000e-003**		**6.4000e-003**	**6.4000e-003**		**6.4000e-003**	**6.4000e-003**	**0.0000**	**358.3111**	**358.3111**	**0.0920**	**0.0000**	**360.6109**

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	0.0108	0.4091	0.1476	1.8300e-003	0.0642	1.9900e-003	0.0661	0.0185	1.9000e-003	0.0204	0.0000	179.0203	179.0203	6.2500e-003	0.0258	186.8666
Worker	0.1272	0.0927	1.3543	4.1000e-003	0.5034	2.8100e-003	0.5062	0.1337	2.5900e-003	0.1363	0.0000	376.1148	376.1148	8.7100e-003	9.0500e-003	379.0297
Total	**0.1381**	**0.5017**	**1.5019**	**5.9300e-003**	**0.5675**	**4.8000e-003**	**0.5723**	**0.1522**	**4.4900e-003**	**0.1567**	**0.0000**	**555.1351**	**555.1351**	**0.0150**	**0.0349**	**565.8963**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

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	0.2226	2.0366	2.2546	4.2900e-003		0.0877	0.0877		0.0824	0.0824	0.0000	370.2725	370.2725	0.0932	0.0000	372.6034
Total	**0.2226**	**2.0366**	**2.2546**	**4.2900e-003**		**0.0877**	**0.0877**		**0.0824**	**0.0824**	**0.0000**	**370.2725**	**370.2725**	**0.0932**	**0.0000**	**372.6034**

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	0.0105	0.4061	0.1455	1.8000e-003	0.0642	1.9800e-003	0.0661	0.0185	1.9000e-003	0.0204	0.0000	175.6998	175.6998	6.2900e-003	0.0253	183.4082
Worker	0.1198	0.0840	1.2706	3.9800e-003	0.5034	2.6700e-003	0.5060	0.1337	2.4600e-003	0.1362	0.0000	364.6830	364.6830	7.9100e-003	8.5300e-003	367.4219
Total	**0.1303**	**0.4901**	**1.4161**	**5.7800e-003**	**0.5675**	**4.6500e-003**	**0.5722**	**0.1522**	**4.3600e-003**	**0.1566**	**0.0000**	**540.3828**	**540.3828**	**0.0142**	**0.0339**	**550.8301**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

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	0.0561	0.5409	2.4974	4.1000e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	358.3111	358.3111	0.0920	0.0000	360.6109
Total	**0.0561**	**0.5409**	**2.4974**	**4.1000e-003**		**6.4000e-003**	**6.4000e-003**		**6.4000e-003**	**6.4000e-003**	**0.0000**	**358.3111**	**358.3111**	**0.0920**	**0.0000**	**360.6109**

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	0.0105	0.4061	0.1455	1.8000e-003	0.0642	1.9800e-003	0.0661	0.0185	1.9000e-003	0.0204	0.0000	175.6998	175.6998	6.2900e-003	0.0253	183.4082
Worker	0.1198	0.0840	1.2706	3.9800e-003	0.5034	2.6700e-003	0.5060	0.1337	2.4600e-003	0.1362	0.0000	364.6830	364.6830	7.9100e-003	8.5300e-003	367.4219
Total	**0.1303**	**0.4901**	**1.4161**	**5.7800e-003**	**0.5675**	**4.6500e-003**	**0.5722**	**0.1522**	**4.3600e-003**	**0.1566**	**0.0000**	**540.3828**	**540.3828**	**0.0142**	**0.0339**	**550.8301**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

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	0.1288	1.1783	1.3044	2.4800e-003		0.0507	0.0507		0.0477	0.0477	0.0000	214.2190	214.2190	0.0539	0.0000	215.5675
Total	**0.1288**	**1.1783**	**1.3044**	**2.4800e-003**		**0.0507**	**0.0507**		**0.0477**	**0.0477**	**0.0000**	**214.2190**	**214.2190**	**0.0539**	**0.0000**	**215.5675**

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	5.9600e-003	0.2332	0.0832	1.0200e-003	0.0371	1.1400e-003	0.0383	0.0107	1.0900e-003	0.0118	0.0000	99.6507	99.6507	3.6500e-003	0.0144	104.0278
Worker	0.0654	0.0444	0.6939	2.2400e-003	0.2912	1.4500e-003	0.2927	0.0774	1.3300e-003	0.0787	0.0000	205.1287	205.1287	4.1800e-003	4.6800e-003	206.6279
Total	**0.0713**	**0.2776**	**0.7771**	**3.2600e-003**	**0.3283**	**2.5900e-003**	**0.3309**	**0.0881**	**2.4200e-003**	**0.0905**	**0.0000**	**304.7794**	**304.7794**	**7.8300e-003**	**0.0191**	**310.6557**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

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	0.0324	0.3129	1.4449	2.3700e-003		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	207.2987	207.2987	0.0532	0.0000	208.6293
Total	**0.0324**	**0.3129**	**1.4449**	**2.3700e-003**		**3.7000e-003**	**3.7000e-003**		**3.7000e-003**	**3.7000e-003**	**0.0000**	**207.2987**	**207.2987**	**0.0532**	**0.0000**	**208.6293**

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	5.9600e-003	0.2332	0.0832	1.0200e-003	0.0371	1.1400e-003	0.0383	0.0107	1.0900e-003	0.0118	0.0000	99.6507	99.6507	3.6500e-003	0.0144	104.0278
Worker	0.0654	0.0444	0.6939	2.2400e-003	0.2912	1.4500e-003	0.2927	0.0774	1.3300e-003	0.0787	0.0000	205.1287	205.1287	4.1800e-003	4.6800e-003	206.6279
Total	**0.0713**	**0.2776**	**0.7771**	**3.2600e-003**	**0.3283**	**2.5900e-003**	**0.3309**	**0.0881**	**2.4200e-003**	**0.0905**	**0.0000**	**304.7794**	**304.7794**	**7.8300e-003**	**0.0191**	**310.6557**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2024

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	0.0105	0.0951	0.1339	2.2000e-004		4.6600e-003	4.6600e-003		4.3900e-003	4.3900e-003	0.0000	18.6374	18.6374	4.2600e-003	0.0000	18.7440
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0105**	**0.0951**	**0.1339**	**2.2000e-004**		**4.6600e-003**	**4.6600e-003**		**4.3900e-003**	**4.3900e-003**	**0.0000**	**18.6374**	**18.6374**	**4.2600e-003**	**0.0000**	**18.7440**

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	5.2000e-004	3.9000e-004	5.5400e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4833	1.4833	4.0000e-005	4.0000e-005	1.4952
Total	**5.2000e-004**	**3.9000e-004**	**5.5400e-003**	**2.0000e-005**	**1.9200e-003**	**1.0000e-005**	**1.9300e-003**	**5.1000e-004**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**1.4833**	**1.4833**	**4.0000e-005**	**4.0000e-005**	**1.4952**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2024

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	2.6800e-003	0.0230	0.1461	2.1000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.1900	18.1900	4.2200e-003	0.0000	18.2954
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.6800e-003**	**0.0230**	**0.1461**	**2.1000e-004**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**18.1900**	**18.1900**	**4.2200e-003**	**0.0000**	**18.2954**

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	5.2000e-004	3.9000e-004	5.5400e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4833	1.4833	4.0000e-005	4.0000e-005	1.4952
Total	**5.2000e-004**	**3.9000e-004**	**5.5400e-003**	**2.0000e-005**	**1.9200e-003**	**1.0000e-005**	**1.9300e-003**	**5.1000e-004**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**1.4833**	**1.4833**	**4.0000e-005**	**4.0000e-005**	**1.4952**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

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	0.7423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1144	0.7557	0.9660	1.7500e-003		0.0324	0.0324		0.0324	0.0324	0.0000	138.1613	138.1613	9.3000e-003	0.0000	138.3937
Total	**0.8567**	**0.7557**	**0.9660**	**1.7500e-003**		**0.0324**	**0.0324**		**0.0324**	**0.0324**	**0.0000**	**138.1613**	**138.1613**	**9.3000e-003**	**0.0000**	**138.3937**

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	0.0180	0.0126	0.1907	6.0000e-004	0.0756	4.0000e-004	0.0760	0.0201	3.7000e-004	0.0204	0.0000	54.7390	54.7390	1.1900e-003	1.2800e-003	55.1501
Total	**0.0180**	**0.0126**	**0.1907**	**6.0000e-004**	**0.0756**	**4.0000e-004**	**0.0760**	**0.0201**	**3.7000e-004**	**0.0204**	**0.0000**	**54.7390**	**54.7390**	**1.1900e-003**	**1.2800e-003**	**55.1501**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

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	0.7423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0117	0.0507	0.7220	1.3300e-003		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	111.0770	111.0770	6.4800e-003	0.0000	111.2391
Total	**0.7540**	**0.0507**	**0.7220**	**1.3300e-003**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**111.0770**	**111.0770**	**6.4800e-003**	**0.0000**	**111.2391**

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	0.0180	0.0126	0.1907	6.0000e-004	0.0756	4.0000e-004	0.0760	0.0201	3.7000e-004	0.0204	0.0000	54.7390	54.7390	1.1900e-003	1.2800e-003	55.1501
Total	**0.0180**	**0.0126**	**0.1907**	**6.0000e-004**	**0.0756**	**4.0000e-004**	**0.0760**	**0.0201**	**3.7000e-004**	**0.0204**	**0.0000**	**54.7390**	**54.7390**	**1.1900e-003**	**1.2800e-003**	**55.1501**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2027

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	0.5728					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0883	0.5831	0.7453	1.3500e-003		0.0250	0.0250		0.0250	0.0250	0.0000	106.6016	106.6016	7.1700e-003	0.0000	106.7809
Total	**0.6610**	**0.5831**	**0.7453**	**1.3500e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**	**0.0000**	**106.6016**	**106.6016**	**7.1700e-003**	**0.0000**	**106.7809**

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	0.0131	8.8900e-003	0.1389	4.5000e-004	0.0583	2.9000e-004	0.0586	0.0155	2.7000e-004	0.0158	0.0000	41.0628	41.0628	8.4000e-004	9.4000e-004	41.3629
Total	**0.0131**	**8.8900e-003**	**0.1389**	**4.5000e-004**	**0.0583**	**2.9000e-004**	**0.0586**	**0.0155**	**2.7000e-004**	**0.0158**	**0.0000**	**41.0628**	**41.0628**	**8.4000e-004**	**9.4000e-004**	**41.3629**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2027

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	0.5728					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0300e-003	0.0391	0.5571	1.0300e-003		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	85.7041	85.7041	5.0000e-003	0.0000	85.8292
Total	**0.5818**	**0.0391**	**0.5571**	**1.0300e-003**		**1.2000e-003**	**1.2000e-003**		**1.2000e-003**	**1.2000e-003**	**0.0000**	**85.7041**	**85.7041**	**5.0000e-003**	**0.0000**	**85.8292**

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	0.0131	8.8900e-003	0.1389	4.5000e-004	0.0583	2.9000e-004	0.0586	0.0155	2.7000e-004	0.0158	0.0000	41.0628	41.0628	8.4000e-004	9.4000e-004	41.3629
Total	**0.0131**	**8.8900e-003**	**0.1389**	**4.5000e-004**	**0.0583**	**2.9000e-004**	**0.0586**	**0.0155**	**2.7000e-004**	**0.0158**	**0.0000**	**41.0628**	**41.0628**	**8.4000e-004**	**9.4000e-004**	**41.3629**

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3.8 Utilities and Trenching - 2024

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					0.0324	0.0000	0.0324	3.4900e-003	0.0000	3.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1731	1.4974	1.9142	3.7900e-003		0.0669	0.0669		0.0635	0.0635	0.0000	328.0035	328.0035	0.0750	0.0000	329.8781
Total	**0.1731**	**1.4974**	**1.9142**	**3.7900e-003**	**0.0324**	**0.0669**	**0.0992**	**3.4900e-003**	**0.0635**	**0.0670**	**0.0000**	**328.0035**	**328.0035**	**0.0750**	**0.0000**	**329.8781**

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	6.7700e-003	5.1400e-003	0.0725	2.1000e-004	0.0251	1.5000e-004	0.0252	6.6600e-003	1.4000e-004	6.7900e-003	0.0000	19.3884	19.3884	4.8000e-004	4.8000e-004	19.5443
Total	**6.7700e-003**	**5.1400e-003**	**0.0725**	**2.1000e-004**	**0.0251**	**1.5000e-004**	**0.0252**	**6.6600e-003**	**1.4000e-004**	**6.7900e-003**	**0.0000**	**19.3884**	**19.3884**	**4.8000e-004**	**4.8000e-004**	**19.5443**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Utilities and Trenching - 2024

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					0.0146	0.0000	0.0146	1.5700e-003	0.0000	1.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0445	0.2625	2.2631	3.7000e-003		5.6800e-003	5.6800e-003		5.6800e-003	5.6800e-003	0.0000	322.5453	322.5453	0.0744	0.0000	324.4057
Total	**0.0445**	**0.2625**	**2.2631**	**3.7000e-003**	**0.0146**	**5.6800e-003**	**0.0202**	**1.5700e-003**	**5.6800e-003**	**7.2500e-003**	**0.0000**	**322.5453**	**322.5453**	**0.0744**	**0.0000**	**324.4057**

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	6.7700e-003	5.1400e-003	0.0725	2.1000e-004	0.0251	1.5000e-004	0.0252	6.6600e-003	1.4000e-004	6.7900e-003	0.0000	19.3884	19.3884	4.8000e-004	4.8000e-004	19.5443
Total	**6.7700e-003**	**5.1400e-003**	**0.0725**	**2.1000e-004**	**0.0251**	**1.5000e-004**	**0.0252**	**6.6600e-003**	**1.4000e-004**	**6.7900e-003**	**0.0000**	**19.3884**	**19.3884**	**4.8000e-004**	**4.8000e-004**	**19.5443**

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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	1.3843	1.5072	14.1455	0.0316	3.6543	0.0223	3.6766	0.9750	0.0207	0.9958	0.0000	2,925.4575	2,925.4575	0.2015	0.1260	2,968.0459
Unmitigated	1.3843	1.5072	14.1455	0.0316	3.6543	0.0223	3.6766	0.9750	0.0207	0.9958	0.0000	2,925.4575	2,925.4575	0.2015	0.1260	2,968.0459

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,379.84	1,379.84	1379.84	4,274,248	4,274,248
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	821.10	821.10	821.10	3,133,761	3,133,761
Strip Mall	606.90	606.90	606.90	2,316,258	2,316,258
Total	2,807.84	2,807.84	2,807.84	9,724,267	9,724,267

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	10.49	10.49	10.49	33.00	48.00	19.00	100	0	0

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	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
Strip Mall	10.49	10.49	10.49	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
Enclosed Parking with Elevator	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
General Office Building	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
Strip Mall	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	691.5694	691.5694	0.0584	7.0800e-003	695.1371
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	691.5694	691.5694	0.0584	7.0800e-003	695.1371
NaturalGas Mitigated	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.1329	14.1329	2.7000e-004	2.6000e-004	14.2169
NaturalGas Unmitigated	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.1329	14.1329	2.7000e-004	2.6000e-004	14.2169

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	237130	1.2800e-003	0.0116	9.7600e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.6542	12.6542	2.4000e-004	2.3000e-004	12.7294
Strip Mall	27710	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4787	1.4787	3.0000e-005	3.0000e-005	1.4875
Total		**1.4300e-003**	**0.0130**	**0.0109**	**8.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**14.1329**	**14.1329**	**2.7000e-004**	**2.6000e-004**	**14.2169**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	237130	1.2800e-003	0.0116	9.7600e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.6542	12.6542	2.4000e-004	2.3000e-004	12.7294
Strip Mall	27710	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4787	1.4787	3.0000e-005	3.0000e-005	1.4875
Total		**1.4300e-003**	**0.0130**	**0.0109**	**8.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**14.1329**	**14.1329**	**2.7000e-004**	**2.6000e-004**	**14.2169**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.27793e+006	403.9812	0.0341	4.1300e-003	406.0653
Enclosed Parking with Elevator	1.11194e+006	197.1969	0.0166	2.0200e-003	198.2142
General Office Building	287500	50.9868	4.3000e-003	5.2000e-004	51.2499
Strip Mall	222190	39.4044	3.3300e-003	4.0000e-004	39.6077
Total		**691.5694**	**0.0584**	**7.0700e-003**	**695.1371**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.27793e+006	403.9812	0.0341	4.1300e-003	406.0653
Enclosed Parking with Elevator	1.11194e+006	197.1969	0.0166	2.0200e-003	198.2142
General Office Building	287500	50.9868	4.3000e-003	5.2000e-004	51.2499
Strip Mall	222190	39.4044	3.3300e-003	4.0000e-004	39.6077
Total		**691.5694**	**0.0584**	**7.0700e-003**	**695.1371**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	1.6708	0.0418	3.6336	1.9000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	5.9433	5.9433	5.7100e-003	0.0000	6.0862
Unmitigated	1.6708	0.0418	3.6336	1.9000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	5.9433	5.9433	5.7100e-003	0.0000	6.0862

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	0.1315					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4297					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	0.1095	0.0418	3.6336	1.9000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	5.9433	5.9433	5.7100e-003	0.0000	6.0862
Total	**1.6707**	**0.0418**	**3.6336**	**1.9000e-004**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**5.9433**	**5.9433**	**5.7100e-003**	**0.0000**	**6.0862**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1315					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4297					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	0.1095	0.0418	3.6336	1.9000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	5.9433	5.9433	5.7100e-003	0.0000	6.0862
Total	**1.6707**	**0.0418**	**3.6336**	**1.9000e-004**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**5.9433**	**5.9433**	**5.7100e-003**	**0.0000**	**6.0862**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	109.2250	0.9300	0.0228	139.2653
Unmitigated	109.2250	0.9300	0.0228	139.2653

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.9342 / 14.4585	88.7238	0.7542	0.0185	113.0852
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	4.08788 / 2.50547	15.6732	0.1344	3.2900e-003	20.0148
Strip Mall	1.25923 / 0.771788	4.8280	0.0414	1.0100e-003	6.1654
Total		**109.2251**	**0.9300**	**0.0228**	**139.2653**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.9342 / 14.4585	88.7238	0.7542	0.0185	113.0852
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	4.08788 / 2.50547	15.6732	0.1344	3.2900e-003	20.0148
Strip Mall	1.25923 / 0.771788	4.8280	0.0414	1.0100e-003	6.1654
Total		**109.2251**	**0.9300**	**0.0228**	**139.2653**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	40.8337	2.4132	0.0000	101.1637
Unmitigated	40.8337	2.4132	0.0000	101.1637

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	161.92	32.8683	1.9425	0.0000	81.4298
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	21.39	4.3420	0.2566	0.0000	10.7571
Strip Mall	17.85	3.6234	0.2141	0.0000	8.9768
Total		**40.8337**	**2.4132**	**0.0000**	**101.1637**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	161.92	32.8683	1.9425	0.0000	81.4298
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	21.39	4.3420	0.2566	0.0000	10.7571
Strip Mall	17.85	3.6234	0.2141	0.0000	8.9768
Total		**40.8337**	**2.4132**	**0.0000**	**101.1637**

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

Boilers

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

User Defined Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	23.00	1000sqft	0.50	23,000.00	0
Enclosed Parking with Elevator	511.00	Space	0.50	204,400.00	0
Apartments Mid Rise	352.00	Dwelling Unit	2.20	352,000.00	1007
Strip Mall	17.00	1000sqft	0.50	17,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Trips and VMT - See assumptiosn

Demolition -

Grading - See Assumptions

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	349.00
tblConstructionPhase	NumDays	230.00	698.00
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	8.00	61.00
tblConstructionPhase	NumDays	8.00	61.00
tblConstructionPhase	NumDays	18.00	10.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	5.00	30.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	299.20	0.00
tblFireplaces	NumberNoFireplace	35.20	352.00
tblFireplaces	NumberWood	17.60	0.00
tblGrading	AcresOfGrading	61.00	8.00
tblGrading	AcresOfGrading	0.00	61.00
tblGrading	AcresOfGrading	0.00	7.50
tblGrading	MaterialExported	0.00	35,540.00
tblLandUse	LotAcreage	0.53	0.50
tblLandUse	LotAcreage	4.60	0.50
tblLandUse	LotAcreage	9.26	2.20
tblLandUse	LotAcreage	0.39	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	4,443.00	2,221.00
tblVehicleTrips	CC_TL	8.40	10.48
tblVehicleTrips	CC_TL	8.40	10.48
tblVehicleTrips	CNW_TL	6.90	10.48
tblVehicleTrips	CNW_TL	6.90	10.48
tblVehicleTrips	CW_TL	16.60	10.48
tblVehicleTrips	CW_TL	16.60	10.48
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	35.70
tblVehicleTrips	ST_TR	42.04	35.70
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	35.70
tblVehicleTrips	SU_TR	20.43	35.70
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	35.70
tblVehicleTrips	WD_TR	44.32	35.70
tblWoodstoves	NumberCatalytic	17.60	0.00
tblWoodstoves	NumberNoncatalytic	17.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	6.3598	55.5954	76.0929	0.1479	4.8254	2.2826	6.5593	1.2911	2.1803	2.9236	0.0000	14,348.7919	14,348.7919	2.7283	0.3821	14,525.4488
2025	2.7731	19.2365	29.3984	0.0796	4.4342	0.7100	5.1442	1.1873	0.6671	1.8544	0.0000	7,944.0080	7,944.0080	0.9133	0.2882	8,052.7230
2026	11.5934	26.9421	40.5551	0.1024	5.2166	1.0416	6.2582	1.3948	0.9984	2.3932	0.0000	9,998.5182	9,998.5182	1.0241	0.2934	10,111.5642
2027	11.5277	26.8612	39.8453	0.1011	5.2166	1.0400	6.2566	1.3948	0.9969	2.3917	0.0000	9,862.5597	9,862.5597	1.0173	0.2853	9,973.0198
Maximum	**11.5934**	**55.5954**	**76.0929**	**0.1479**	**5.2166**	**2.2826**	**6.5593**	**1.3948**	**2.1803**	**2.9236**	**0.0000**	**14,348.7919**	**14,348.7919**	**2.7283**	**0.3821**	**14,525.4488**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2024	2.2078	12.5715	76.8031	0.1286	4.8254	0.1912	4.9777	1.2911	0.1908	1.4408	0.0000	12,389.2479	12,389.2479	2.7078	0.3821	12,479.2431
2025	1.4959	7.7852	31.2562	0.0782	4.4342	0.0858	4.5200	1.1873	0.0835	1.2708	0.0000	7,842.9754	7,842.9754	0.9028	0.2882	7,951.4281
2026	9.2738	8.3338	39.9355	0.0967	5.2166	0.1046	5.3212	1.3948	0.1020	1.4968	0.0000	9,594.3876	9,594.3876	0.9821	0.2934	9,706.3848
2027	9.2082	8.2529	39.2257	0.0954	5.2166	0.1030	5.3196	1.3948	0.1005	1.4953	0.0000	9,458.4292	9,458.4292	0.9754	0.2853	9,567.8403
Maximum	**9.2738**	**12.5715**	**76.8031**	**0.1286**	**5.2166**	**0.1912**	**5.3212**	**1.3948**	**0.1908**	**1.4968**	**0.0000**	**12,389.2479**	**12,389.2479**	**2.7078**	**0.3821**	**12,479.2431**

	ROG	NOx	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	**31.22**	**71.28**	**-0.71**	**7.44**	**0.00**	**90.45**	**16.85**	**0.00**	**90.16**	**40.36**	**0.00**	**6.81**	**6.81**	**2.02**	**0.00**	**6.93**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	7.8655	7.5727	78.4689	0.1793	20.4721	0.1228	20.5949	5.4539	0.1140	5.5679		18,291.2632	18,291.2632	1.1949	0.7281	18,538.1192
Total	**17.3042**	**7.9786**	**107.5977**	**0.1813**	**20.4721**	**0.2894**	**20.7614**	**5.4539**	**0.2806**	**5.7345**	**0.0000**	**18,429.0376**	**18,429.0376**	**1.2469**	**0.7297**	**18,677.6605**

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	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	7.8655	7.5727	78.4689	0.1793	20.4721	0.1228	20.5949	5.4539	0.1140	5.5679		18,291.2632	18,291.2632	1.1949	0.7281	18,538.1192
Total	**17.3042**	**7.9786**	**107.5977**	**0.1813**	**20.4721**	**0.2894**	**20.7614**	**5.4539**	**0.2806**	**5.7345**	**0.0000**	**18,429.0376**	**18,429.0376**	**1.2469**	**0.7297**	**18,677.6605**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2024	4/26/2024	5	85	
2	Site Preparation	Site Preparation	4/27/2024	6/7/2024	5	30	
3	Grading	Grading	6/8/2024	9/2/2024	5	61	
4	Utilities and Trenching	Grading	9/3/2024	11/26/2024	5	61	
5	Building Construction	Building Construction	11/27/2024	7/30/2027	5	698	
6	Paving	Paving	11/27/2024	12/10/2024	5	10	
7	Architectural Coating	Architectural Coating	4/1/2026	8/2/2027	5	349	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0.5

Residential Indoor: 712,800; Residential Outdoor: 237,600; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 12,264 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Excavators	4	8.00	158	0.38
Grading	Generator Sets	2	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	2	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Welders	4	8.00	46	0.45
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Generator Sets	2	8.00	84	0.74

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30
Utilities and Trenching	Air Compressors	4	8.00	78	0.48
Utilities and Trenching	Concrete/Industrial Saws	2	8.00	81	0.73
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30
Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Utilities and Trenching	Tractors/Loaders/Backhoes	4	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
Demolition	16	40.00	0.00	344.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	29	73.00	0.00	2,221.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	352.00	78.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	30	75.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2024

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					0.8755	0.0000	0.8755	0.1326	0.0000	0.1326			0.0000			0.0000
Off-Road	3.3453	29.1951	43.4575	0.0764		1.3363	1.3363		1.2648	1.2648		7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**3.3453**	**29.1951**	**43.4575**	**0.0764**	**0.8755**	**1.3363**	**2.2118**	**0.1326**	**1.2648**	**1.3974**		**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	8.7200e-003	0.5295	0.1435	2.3300e-003	0.0708	3.3600e-003	0.0742	0.0194	3.2100e-003	0.0226		256.4052	256.4052	0.0145	0.0407	268.9050
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
Worker	0.1193	0.0797	1.3433	3.8500e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		388.6920	388.6920	9.1300e-003	8.5900e-003	391.4786
Total	**0.1280**	**0.6091**	**1.4868**	**6.1800e-003**	**0.5180**	**5.9300e-003**	**0.5239**	**0.1380**	**5.5800e-003**	**0.1436**		**645.0973**	**645.0973**	**0.0236**	**0.0493**	**660.3836**

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					0.3940	0.0000	0.3940	0.0597	0.0000	0.0597			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**0.3940**	**0.1173**	**0.5113**	**0.0597**	**0.1173**	**0.1770**	**0.0000**	**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	8.7200e-003	0.5295	0.1435	2.3300e-003	0.0708	3.3600e-003	0.0742	0.0194	3.2100e-003	0.0226		256.4052	256.4052	0.0145	0.0407	268.9050
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
Worker	0.1193	0.0797	1.3433	3.8500e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		388.6920	388.6920	9.1300e-003	8.5900e-003	391.4786
Total	**0.1280**	**0.6091**	**1.4868**	**6.1800e-003**	**0.5180**	**5.9300e-003**	**0.5239**	**0.1380**	**5.5800e-003**	**0.1436**		**645.0973**	**645.0973**	**0.0236**	**0.0493**	**660.3836**

3.3 Site Preparation - 2024

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					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.6800	6.3188	5.1843	6.7500e-003		0.4372	0.4372		0.4022	0.4022		654.3201	654.3201	0.2116		659.6106
Total	**0.6800**	**6.3188**	**5.1843**	**6.7500e-003**	**0.2651**	**0.4372**	**0.7023**	**0.0286**	**0.4022**	**0.4308**		**654.3201**	**654.3201**	**0.2116**		**659.6106**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

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	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
Worker	0.0149	9.9600e-003	0.1679	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		48.5865	48.5865	1.1400e-003	1.0700e-003	48.9348
Total	**0.0149**	**9.9600e-003**	**0.1679**	**4.8000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**48.5865**	**48.5865**	**1.1400e-003**	**1.0700e-003**	**48.9348**

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					0.1193	0.0000	0.1193	0.0129	0.0000	0.0129			0.0000			0.0000
Off-Road	0.0825	0.3577	5.0900	6.7500e-003		0.0110	0.0110		0.0110	0.0110	0.0000	654.3201	654.3201	0.2116		659.6106
Total	**0.0825**	**0.3577**	**5.0900**	**6.7500e-003**	**0.1193**	**0.0110**	**0.1303**	**0.0129**	**0.0110**	**0.0239**	**0.0000**	**654.3201**	**654.3201**	**0.2116**		**659.6106**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

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	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
Worker	0.0149	9.9600e-003	0.1679	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		48.5865	48.5865	1.1400e-003	1.0700e-003	48.9348
Total	**0.0149**	**9.9600e-003**	**0.1679**	**4.8000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**48.5865**	**48.5865**	**1.1400e-003**	**1.0700e-003**	**48.9348**

3.4 Grading - 2024

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					0.2050	0.0000	0.2050	0.0250	0.0000	0.0250			0.0000			0.0000
Off-Road	6.0637	50.6868	72.3509	0.1199		2.2477	2.2477		2.1471	2.1471		11,332.6494	11,332.6494	2.3646		11,391.7654
Total	**6.0637**	**50.6868**	**72.3509**	**0.1199**	**0.2050**	**2.2477**	**2.4526**	**0.0250**	**2.1471**	**2.1721**		**11,332.6494**	**11,332.6494**	**2.3646**		**11,391.7654**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

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	0.0785	4.7633	1.2905	0.0210	0.6373	0.0302	0.6676	0.1747	0.0289	0.2037		2,306.7795	2,306.7795	0.1301	0.3665	2,419.2350
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
Worker	0.2177	0.1454	2.4515	7.0200e-003	0.8160	4.7000e-003	0.8207	0.2164	4.3300e-003	0.2207		709.3630	709.3630	0.0167	0.0157	714.4484
Total	**0.2961**	**4.9087**	**3.7420**	**0.0280**	**1.4533**	**0.0349**	**1.4882**	**0.3911**	**0.0332**	**0.4244**		**3,016.1425**	**3,016.1425**	**0.1468**	**0.3821**	**3,133.6834**

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					0.0922	0.0000	0.0922	0.0113	0.0000	0.0113			0.0000			0.0000
Off-Road	1.1677	7.3656	63.5082	0.0965		0.1474	0.1474		0.1474	0.1474	0.0000	9,256.6693	9,256.6693	2.2251		9,312.2975
Total	**1.1677**	**7.3656**	**63.5082**	**0.0965**	**0.0922**	**0.1474**	**0.2396**	**0.0113**	**0.1474**	**0.1586**	**0.0000**	**9,256.6693**	**9,256.6693**	**2.2251**		**9,312.2975**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

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	0.0785	4.7633	1.2905	0.0210	0.6373	0.0302	0.6676	0.1747	0.0289	0.2037		2,306.7795	2,306.7795	0.1301	0.3665	2,419.2350
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
Worker	0.2177	0.1454	2.4515	7.0200e-003	0.8160	4.7000e-003	0.8207	0.2164	4.3300e-003	0.2207		709.3630	709.3630	0.0167	0.0157	714.4484
Total	**0.2961**	**4.9087**	**3.7420**	**0.0280**	**1.4533**	**0.0349**	**1.4882**	**0.3911**	**0.0332**	**0.4244**		**3,016.1425**	**3,016.1425**	**0.1468**	**0.3821**	**3,133.6834**

3.5 Utilities and Trenching - 2024

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					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	5.6795	49.1364	62.8671	0.1241		2.1960	2.1960		2.0862	2.0862		11,857.7046	11,857.7046	2.7111		11,925.4830
Total	**5.6795**	**49.1364**	**62.8671**	**0.1241**	**1.0605**	**2.1960**	**3.2565**	**0.1145**	**2.0862**	**2.2007**		**11,857.7046**	**11,857.7046**	**2.7111**		**11,925.4830**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2024

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	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
Worker	0.2236	0.1494	2.5187	7.2100e-003	0.8383	4.8300e-003	0.8432	0.2223	4.4400e-003	0.2268		728.7976	728.7976	0.0171	0.0161	734.0223
Total	**0.2236**	**0.1494**	**2.5187**	**7.2100e-003**	**0.8383**	**4.8300e-003**	**0.8432**	**0.2223**	**4.4400e-003**	**0.2268**		**728.7976**	**728.7976**	**0.0171**	**0.0161**	**734.0223**

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					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.4600	8.6322	74.2844	0.1214		0.1864	0.1864		0.1864	0.1864	0.0000	11,660.4504	11,660.4504	2.6907		11,727.7168
Total	**1.4600**	**8.6322**	**74.2844**	**0.1214**	**0.4772**	**0.1864**	**0.6636**	**0.0515**	**0.1864**	**0.2379**	**0.0000**	**11,660.4504**	**11,660.4504**	**2.6907**		**11,727.7168**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2024

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	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
Worker	0.2236	0.1494	2.5187	7.2100e-003	0.8383	4.8300e-003	0.8432	0.2223	4.4400e-003	0.2268		728.7976	728.7976	0.0171	0.0161	734.0223
Total	**0.2236**	**0.1494**	**2.5187**	**7.2100e-003**	**0.8383**	**4.8300e-003**	**0.8432**	**0.2223**	**4.4400e-003**	**0.2268**		**728.7976**	**728.7976**	**0.0171**	**0.0161**	**734.0223**

3.6 Building Construction - 2024

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	1.8126	16.9132	17.4062	0.0329		0.7607	0.7607		0.7151	0.7151		3,129.0007	3,129.0007	0.7893		3,148.7337
Total	**1.8126**	**16.9132**	**17.4062**	**0.0329**		**0.7607**	**0.7607**		**0.7151**	**0.7151**		**3,129.0007**	**3,129.0007**	**0.7893**		**3,148.7337**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

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	0.0000
Vendor	0.0871	3.0000	1.1352	0.0143	0.4996	0.0152	0.5148	0.1439	0.0145	0.1584		1,538.7419	1,538.7419	0.0526	0.2215	1,606.0512
Worker	1.0495	0.7009	11.8210	0.0338	3.9345	0.0227	3.9572	1.0435	0.0209	1.0643		3,420.4899	3,420.4899	0.0803	0.0756	3,445.0115
Total	**1.1366**	**3.7009**	**12.9562**	**0.0481**	**4.4342**	**0.0378**	**4.4720**	**1.1873**	**0.0354**	**1.2227**		**4,959.2318**	**4,959.2318**	**0.1329**	**0.2970**	**5,051.0628**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9680	3,027.9680	0.7788		3,047.4388
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9680**	**3,027.9680**	**0.7788**		**3,047.4388**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

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	0.0000
Vendor	0.0871	3.0000	1.1352	0.0143	0.4996	0.0152	0.5148	0.1439	0.0145	0.1584		1,538.7419	1,538.7419	0.0526	0.2215	1,606.0512
Worker	1.0495	0.7009	11.8210	0.0338	3.9345	0.0227	3.9572	1.0435	0.0209	1.0643		3,420.4899	3,420.4899	0.0803	0.0756	3,445.0115
Total	**1.1366**	**3.7009**	**12.9562**	**0.0481**	**4.4342**	**0.0378**	**4.4720**	**1.1873**	**0.0354**	**1.2227**		**4,959.2318**	**4,959.2318**	**0.1329**	**0.2970**	**5,051.0628**

3.6 Building Construction - 2025

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

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	0.0000
Vendor	0.0846	2.9858	1.1143	0.0140	0.4996	0.0152	0.5148	0.1439	0.0145	0.1584		1,511.0385	1,511.0385	0.0529	0.2176	1,577.2149
Worker	0.9810	0.6294	10.9940	0.0327	3.9345	0.0216	3.9561	1.0435	0.0199	1.0633		3,303.9684	3,303.9684	0.0724	0.0706	3,326.8069
Total	**1.0657**	**3.6152**	**12.1083**	**0.0467**	**4.4342**	**0.0368**	**4.4709**	**1.1873**	**0.0344**	**1.2217**		**4,815.0069**	**4,815.0069**	**0.1253**	**0.2882**	**4,904.0219**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

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	0.0000
Vendor	0.0846	2.9858	1.1143	0.0140	0.4996	0.0152	0.5148	0.1439	0.0145	0.1584		1,511.0385	1,511.0385	0.0529	0.2176	1,577.2149
Worker	0.9810	0.6294	10.9940	0.0327	3.9345	0.0216	3.9561	1.0435	0.0199	1.0633		3,303.9684	3,303.9684	0.0724	0.0706	3,326.8069
Total	**1.0657**	**3.6152**	**12.1083**	**0.0467**	**4.4342**	**0.0368**	**4.4709**	**1.1873**	**0.0344**	**1.2217**		**4,815.0069**	**4,815.0069**	**0.1253**	**0.2882**	**4,904.0219**

3.6 Building Construction - 2026

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

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	0.0000
Vendor	0.0825	2.9639	1.0985	0.0138	0.4996	0.0152	0.5148	0.1439	0.0145	0.1584		1,482.9939	1,482.9939	0.0533	0.2137	1,548.0104
Worker	0.9224	0.5712	10.3094	0.0317	3.9345	0.0205	3.9550	1.0435	0.0188	1.0623		3,203.3360	3,203.3360	0.0657	0.0665	3,224.7972
Total	**1.0049**	**3.5351**	**11.4078**	**0.0454**	**4.4342**	**0.0356**	**4.4698**	**1.1873**	**0.0333**	**1.2206**		**4,686.3299**	**4,686.3299**	**0.1190**	**0.2802**	**4,772.8076**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

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	0.0000
Vendor	0.0825	2.9639	1.0985	0.0138	0.4996	0.0152	0.5148	0.1439	0.0145	0.1584		1,482.9939	1,482.9939	0.0533	0.2137	1,548.0104
Worker	0.9224	0.5712	10.3094	0.0317	3.9345	0.0205	3.9550	1.0435	0.0188	1.0623		3,203.3360	3,203.3360	0.0657	0.0665	3,224.7972
Total	**1.0049**	**3.5351**	**11.4078**	**0.0454**	**4.4342**	**0.0356**	**4.4698**	**1.1873**	**0.0333**	**1.2206**		**4,686.3299**	**4,686.3299**	**0.1190**	**0.2802**	**4,772.8076**

3.6 Building Construction - 2027

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2027

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	0.0000
Vendor	0.0807	2.9420	1.0856	0.0135	0.4997	0.0151	0.5147	0.1439	0.0144	0.1583		1,453.8081	1,453.8081	0.0534	0.2097	1,517.6229
Worker	0.8692	0.5220	9.7280	0.0308	3.9345	0.0192	3.9537	1.0435	0.0177	1.0611		3,114.2745	3,114.2745	0.0600	0.0631	3,134.5810
Total	**0.9498**	**3.4640**	**10.8136**	**0.0443**	**4.4342**	**0.0343**	**4.4685**	**1.1873**	**0.0321**	**1.2194**		**4,568.0826**	**4,568.0826**	**0.1134**	**0.2728**	**4,652.2039**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2027

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	0.0000
Vendor	0.0807	2.9420	1.0856	0.0135	0.4997	0.0151	0.5147	0.1439	0.0144	0.1583		1,453.8081	1,453.8081	0.0534	0.2097	1,517.6229
Worker	0.8692	0.5220	9.7280	0.0308	3.9345	0.0192	3.9537	1.0435	0.0177	1.0611		3,114.2745	3,114.2745	0.0600	0.0631	3,134.5810
Total	**0.9498**	**3.4640**	**10.8136**	**0.0443**	**4.4342**	**0.0343**	**4.4685**	**1.1873**	**0.0321**	**1.2194**		**4,568.0826**	**4,568.0826**	**0.1134**	**0.2728**	**4,652.2039**

3.7 Paving - 2024

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	2.0980	19.0528	26.8114	0.0434		0.9332	0.9332		0.8801	0.8801		4,113.5550	4,113.5550	0.9410		4,137.0808
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0980**	**19.0528**	**26.8114**	**0.0434**		**0.9332**	**0.9332**		**0.8801**	**0.8801**		**4,113.5550**	**4,113.5550**	**0.9410**		**4,137.0808**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2024

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	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
Worker	0.1044	0.0697	1.1754	3.3600e-003	0.3912	2.2500e-003	0.3935	0.1038	2.0700e-003	0.1058		340.1055	340.1055	7.9900e-003	7.5100e-003	342.5438
Total	**0.1044**	**0.0697**	**1.1754**	**3.3600e-003**	**0.3912**	**2.2500e-003**	**0.3935**	**0.1038**	**2.0700e-003**	**0.1058**		**340.1055**	**340.1055**	**7.9900e-003**	**7.5100e-003**	**342.5438**

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	0.5366	4.6309	29.2507	0.0420		0.0632	0.0632		0.0632	0.0632	0.0000	4,014.9279	4,014.9279	0.9308		4,038.1977
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5366**	**4.6309**	**29.2507**	**0.0420**		**0.0632**	**0.0632**		**0.0632**	**0.0632**	**0.0000**	**4,014.9279**	**4,014.9279**	**0.9308**		**4,038.1977**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2024

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	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
Worker	0.1044	0.0697	1.1754	3.3600e-003	0.3912	2.2500e-003	0.3935	0.1038	2.0700e-003	0.1058		340.1055	340.1055	7.9900e-003	7.5100e-003	342.5438
Total	**0.1044**	**0.0697**	**1.1754**	**3.3600e-003**	**0.3912**	**2.2500e-003**	**0.3935**	**0.1038**	**2.0700e-003**	**0.1058**		**340.1055**	**340.1055**	**7.9900e-003**	**7.5100e-003**	**342.5438**

3.8 Architectural Coating - 2026

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	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**8.6976**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2026

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	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
Worker	0.1834	0.1136	2.0502	6.3000e-003	0.7824	4.0700e-003	0.7865	0.2075	3.7400e-003	0.2113		637.0271	637.0271	0.0131	0.0132	641.2949
Total	**0.1834**	**0.1136**	**2.0502**	**6.3000e-003**	**0.7824**	**4.0700e-003**	**0.7865**	**0.2075**	**3.7400e-003**	**0.2113**		**637.0271**	**637.0271**	**0.0131**	**0.0132**	**641.2949**

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	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**7.6552**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2026

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	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
Worker	0.1834	0.1136	2.0502	6.3000e-003	0.7824	4.0700e-003	0.7865	0.2075	3.7400e-003	0.2113		637.0271	637.0271	0.0131	0.0132	641.2949
Total	**0.1834**	**0.1136**	**2.0502**	**6.3000e-003**	**0.7824**	**4.0700e-003**	**0.7865**	**0.2075**	**3.7400e-003**	**0.2113**		**637.0271**	**637.0271**	**0.0131**	**0.0132**	**641.2949**

3.8 Architectural Coating - 2027

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	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**8.6976**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2027

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	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
Worker	0.1728	0.1038	1.9346	6.1300e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		619.3160	619.3160	0.0119	0.0126	623.3542
Total	**0.1728**	**0.1038**	**1.9346**	**6.1300e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**619.3160**	**619.3160**	**0.0119**	**0.0126**	**623.3542**

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	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**7.6552**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2027

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	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
Worker	0.1728	0.1038	1.9346	6.1300e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		619.3160	619.3160	0.0119	0.0126	623.3542
Total	**0.1728**	**0.1038**	**1.9346**	**6.1300e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**619.3160**	**619.3160**	**0.0119**	**0.0126**	**623.3542**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	7.8655	7.5727	78.4689	0.1793	20.4721	0.1228	20.5949	5.4539	0.1140	5.5679		18,291.2632	18,291.2632	1.1949	0.7281	18,538.1192
Unmitigated	7.8655	7.5727	78.4689	0.1793	20.4721	0.1228	20.5949	5.4539	0.1140	5.5679		18,291.2632	18,291.2632	1.1949	0.7281	18,538.1192

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,379.84	1,379.84	1379.84	4,274,248	4,274,248
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	821.10	821.10	821.10	3,132,267	3,132,267
Strip Mall	606.90	606.90	606.90	2,315,154	2,315,154
Total	2,807.84	2,807.84	2,807.84	9,721,668	9,721,668

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	10.48	10.48	10.48	33.00	48.00	19.00	100	0	0
Strip Mall	10.48	10.48	10.48	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
Enclosed Parking with Elevator	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
General Office Building	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
Strip Mall	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
NaturalGas Unmitigated	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	649.671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	75.9178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	0.649671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	0.0759178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

6.0 Area Detail

6.1 Mitigation Measures Area

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707
Unmitigated	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707

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	0.7206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8340					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	0.8763	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612		52.4110	52.4110	0.0504		53.6707
Total	**9.4309**	**0.3347**	**29.0690**	**1.5400e-003**		**0.1612**	**0.1612**		**0.1612**	**0.1612**	**0.0000**	**52.4110**	**52.4110**	**0.0504**	**0.0000**	**53.6707**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.7206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8340					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	0.8763	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612		52.4110	52.4110	0.0504		53.6707
Total	**9.4309**	**0.3347**	**29.0690**	**1.5400e-003**		**0.1612**	**0.1612**		**0.1612**	**0.1612**	**0.0000**	**52.4110**	**52.4110**	**0.0504**	**0.0000**	**53.6707**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation Phase 1 - Rebuild

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	23.00	1000sqft	0.50	23,000.00	0
Enclosed Parking with Elevator	511.00	Space	0.50	204,400.00	0
Apartments Mid Rise	352.00	Dwelling Unit	2.20	352,000.00	1007
Strip Mall	17.00	1000sqft	0.50	17,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Trips and VMT - See assumptiosn

Demolition -

Grading - See Assumptions

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	349.00
tblConstructionPhase	NumDays	230.00	698.00
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	8.00	61.00
tblConstructionPhase	NumDays	8.00	61.00
tblConstructionPhase	NumDays	18.00	10.00

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	5.00	30.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	299.20	0.00
tblFireplaces	NumberNoFireplace	35.20	352.00
tblFireplaces	NumberWood	17.60	0.00
tblGrading	AcresOfGrading	61.00	8.00
tblGrading	AcresOfGrading	0.00	61.00
tblGrading	AcresOfGrading	0.00	7.50
tblGrading	MaterialExported	0.00	35,540.00
tblLandUse	LotAcreage	0.53	0.50
tblLandUse	LotAcreage	4.60	0.50
tblLandUse	LotAcreage	9.26	2.20
tblLandUse	LotAcreage	0.39	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	4,443.00	2,221.00
tblVehicleTrips	CC_TL	8.40	10.48
tblVehicleTrips	CC_TL	8.40	10.48
tblVehicleTrips	CNW_TL	6.90	10.48
tblVehicleTrips	CNW_TL	6.90	10.48
tblVehicleTrips	CW_TL	16.60	10.48
tblVehicleTrips	CW_TL	16.60	10.48
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	35.70
tblVehicleTrips	ST_TR	42.04	35.70
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	35.70
tblVehicleTrips	SU_TR	20.43	35.70
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	35.70
tblVehicleTrips	WD_TR	44.32	35.70
tblWoodstoves	NumberCatalytic	17.60	0.00
tblWoodstoves	NumberNoncatalytic	17.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	6.3717	55.8208	75.9140	0.1475	4.8254	2.2827	6.5594	1.2911	2.1804	2.9237	0.0000	14,313.9244	14,313.9244	2.7285	0.3836	14,491.0166
2025	2.8498	19.4426	28.5620	0.0779	4.4342	0.7101	5.1443	1.1873	0.6672	1.8545	0.0000	7,773.1602	7,773.1602	0.9143	0.2935	7,883.4861
2026	11.6843	27.1530	39.6165	0.1004	5.2166	1.0416	6.2582	1.3948	0.9984	2.3933	0.0000	9,799.8295	9,799.8295	1.0252	0.2993	9,914.6648
2027	11.6167	27.0651	38.9665	0.0992	5.2166	1.0400	6.2567	1.3948	0.9970	2.3918	0.0000	9,669.6853	9,669.6853	1.0184	0.2909	9,781.8427
Maximum	**11.6843**	**55.8208**	**75.9140**	**0.1475**	**5.2166**	**2.2827**	**6.5594**	**1.3948**	**2.1804**	**2.9237**	**0.0000**	**14,313.9244**	**14,313.9244**	**2.7285**	**0.3836**	**14,491.0166**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2024	2.2946	12.7929	76.6015	0.1282	4.8254	0.1912	4.9778	1.2911	0.1908	1.4409	0.0000	12,350.8926	12,350.8926	2.7080	0.3836	12,423.7152
2025	1.5727	7.9913	30.4198	0.0765	4.4342	0.0859	4.5201	1.1873	0.0835	1.2709	0.0000	7,672.1275	7,672.1275	0.9038	0.2935	7,782.1912
2026	9.3648	8.5447	38.9970	0.0948	5.2166	0.1047	5.3213	1.3948	0.1021	1.4969	0.0000	9,395.6989	9,395.6989	0.9832	0.2993	9,509.4854
2027	9.2971	8.4568	38.3469	0.0935	5.2166	0.1031	5.3197	1.3948	0.1006	1.4954	0.0000	9,265.5548	9,265.5548	0.9765	0.2909	9,376.6633
Maximum	**9.3648**	**12.7929**	**76.6015**	**0.1282**	**5.2166**	**0.1912**	**5.3213**	**1.3948**	**0.1908**	**1.4969**	**0.0000**	**12,350.8926**	**12,350.8926**	**2.7080**	**0.3836**	**12,423.7152**

	ROG	NOx	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	**30.73**	**70.82**	**-0.71**	**7.56**	**0.00**	**90.45**	**16.85**	**0.00**	**90.15**	**40.35**	**0.00**	**6.91**	**6.91**	**2.02**	**0.00**	**7.08**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679		17,531.3836	17,531.3836	1.2258	0.7586	17,788.0964
Total	**17.1643**	**8.5738**	**106.2344**	**0.1738**	**20.4721**	**0.2894**	**20.7615**	**5.4539**	**0.2807**	**5.7345**	**0.0000**	**17,669.1581**	**17,669.1581**	**1.2779**	**0.7602**	**17,927.6378**

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	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679		17,531.3836	17,531.3836	1.2258	0.7586	17,788.0964
Total	**17.1643**	**8.5738**	**106.2344**	**0.1738**	**20.4721**	**0.2894**	**20.7615**	**5.4539**	**0.2807**	**5.7345**	**0.0000**	**17,669.1581**	**17,669.1581**	**1.2779**	**0.7602**	**17,927.6378**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2024	4/26/2024	5	85	
2	Site Preparation	Site Preparation	4/27/2024	6/7/2024	5	30	
3	Grading	Grading	6/8/2024	9/2/2024	5	61	
4	Utilities and Trenching	Grading	9/3/2024	11/26/2024	5	61	
5	Building Construction	Building Construction	11/27/2024	7/30/2027	5	698	
6	Paving	Paving	11/27/2024	12/10/2024	5	10	
7	Architectural Coating	Architectural Coating	4/1/2026	8/2/2027	5	349	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0.5

Residential Indoor: 712,800; Residential Outdoor: 237,600; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 12,264 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Excavators	4	8.00	158	0.38
Grading	Generator Sets	2	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	2	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Welders	4	8.00	46	0.45
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Generator Sets	2	8.00	84	0.74

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30
Utilities and Trenching	Air Compressors	4	8.00	78	0.48
Utilities and Trenching	Concrete/Industrial Saws	2	8.00	81	0.73
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30
Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Utilities and Trenching	Tractors/Loaders/Backhoes	4	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
Demolition	16	40.00	0.00	344.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	29	73.00	0.00	2,221.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	352.00	78.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	30	75.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2024

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					0.8755	0.0000	0.8755	0.1326	0.0000	0.1326			0.0000			0.0000
Off-Road	3.3453	29.1951	43.4575	0.0764		1.3363	1.3363		1.2648	1.2648		7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**3.3453**	**29.1951**	**43.4575**	**0.0764**	**0.8755**	**1.3363**	**2.2118**	**0.1326**	**1.2648**	**1.3974**		**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	8.1500e-003	0.5528	0.1454	2.3300e-003	0.0708	3.3700e-003	0.0742	0.0194	3.2200e-003	0.0226		256.6792	256.6792	0.0144	0.0408	269.1915
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
Worker	0.1286	0.0880	1.2358	3.6400e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		368.2358	368.2358	9.2600e-003	9.1700e-003	371.1992
Total	**0.1367**	**0.6408**	**1.3812**	**5.9700e-003**	**0.5180**	**5.9400e-003**	**0.5239**	**0.1380**	**5.5900e-003**	**0.1436**		**624.9151**	**624.9151**	**0.0237**	**0.0500**	**640.3907**

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					0.3940	0.0000	0.3940	0.0597	0.0000	0.0597			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**0.3940**	**0.1173**	**0.5113**	**0.0597**	**0.1173**	**0.1770**	**0.0000**	**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	8.1500e-003	0.5528	0.1454	2.3300e-003	0.0708	3.3700e-003	0.0742	0.0194	3.2200e-003	0.0226		256.6792	256.6792	0.0144	0.0408	269.1915
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
Worker	0.1286	0.0880	1.2358	3.6400e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		368.2358	368.2358	9.2600e-003	9.1700e-003	371.1992
Total	**0.1367**	**0.6408**	**1.3812**	**5.9700e-003**	**0.5180**	**5.9400e-003**	**0.5239**	**0.1380**	**5.5900e-003**	**0.1436**		**624.9151**	**624.9151**	**0.0237**	**0.0500**	**640.3907**

3.3 Site Preparation - 2024

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					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.6800	6.3188	5.1843	6.7500e-003		0.4372	0.4372		0.4022	0.4022		654.3201	654.3201	0.2116		659.6106
Total	**0.6800**	**6.3188**	**5.1843**	**6.7500e-003**	**0.2651**	**0.4372**	**0.7023**	**0.0286**	**0.4022**	**0.4308**		**654.3201**	**654.3201**	**0.2116**		**659.6106**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

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	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
Worker	0.0161	0.0110	0.1545	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.0295	46.0295	1.1600e-003	1.1500e-003	46.3999
Total	**0.0161**	**0.0110**	**0.1545**	**4.6000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**46.0295**	**46.0295**	**1.1600e-003**	**1.1500e-003**	**46.3999**

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					0.1193	0.0000	0.1193	0.0129	0.0000	0.0129			0.0000			0.0000
Off-Road	0.0825	0.3577	5.0900	6.7500e-003		0.0110	0.0110		0.0110	0.0110	0.0000	654.3201	654.3201	0.2116		659.6106
Total	**0.0825**	**0.3577**	**5.0900**	**6.7500e-003**	**0.1193**	**0.0110**	**0.1303**	**0.0129**	**0.0110**	**0.0239**	**0.0000**	**654.3201**	**654.3201**	**0.2116**		**659.6106**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

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	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
Worker	0.0161	0.0110	0.1545	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.0295	46.0295	1.1600e-003	1.1500e-003	46.3999
Total	**0.0161**	**0.0110**	**0.1545**	**4.6000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**46.0295**	**46.0295**	**1.1600e-003**	**1.1500e-003**	**46.3999**

3.4 Grading - 2024

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					0.2050	0.0000	0.2050	0.0250	0.0000	0.0250			0.0000			0.0000
Off-Road	6.0637	50.6868	72.3509	0.1199		2.2477	2.2477		2.1471	2.1471		11,332.6494	11,332.6494	2.3646		11,391.7654
Total	**6.0637**	**50.6868**	**72.3509**	**0.1199**	**0.2050**	**2.2477**	**2.4526**	**0.0250**	**2.1471**	**2.1721**		**11,332.6494**	**11,332.6494**	**2.3646**		**11,391.7654**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

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	0.0734	4.9736	1.3078	0.0210	0.6373	0.0303	0.6676	0.1747	0.0290	0.2037		2,309.2446	2,309.2446	0.1299	0.3669	2,421.8127
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
Worker	0.2346	0.1605	2.2553	6.6500e-003	0.8160	4.7000e-003	0.8207	0.2164	4.3300e-003	0.2207		672.0304	672.0304	0.0169	0.0167	677.4385
Total	**0.3080**	**5.1341**	**3.5631**	**0.0276**	**1.4533**	**0.0350**	**1.4883**	**0.3911**	**0.0333**	**0.4244**		**2,981.2750**	**2,981.2750**	**0.1468**	**0.3836**	**3,099.2511**

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					0.0922	0.0000	0.0922	0.0113	0.0000	0.0113			0.0000			0.0000
Off-Road	1.1677	7.3656	63.5082	0.0965		0.1474	0.1474		0.1474	0.1474	0.0000	9,256.6693	9,256.6693	2.2251		9,312.2975
Total	**1.1677**	**7.3656**	**63.5082**	**0.0965**	**0.0922**	**0.1474**	**0.2396**	**0.0113**	**0.1474**	**0.1586**	**0.0000**	**9,256.6693**	**9,256.6693**	**2.2251**		**9,312.2975**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

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	0.0734	4.9736	1.3078	0.0210	0.6373	0.0303	0.6676	0.1747	0.0290	0.2037		2,309.2446	2,309.2446	0.1299	0.3669	2,421.8127
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
Worker	0.2346	0.1605	2.2553	6.6500e-003	0.8160	4.7000e-003	0.8207	0.2164	4.3300e-003	0.2207		672.0304	672.0304	0.0169	0.0167	677.4385
Total	**0.3080**	**5.1341**	**3.5631**	**0.0276**	**1.4533**	**0.0350**	**1.4883**	**0.3911**	**0.0333**	**0.4244**		**2,981.2750**	**2,981.2750**	**0.1468**	**0.3836**	**3,099.2511**

3.5 Utilities and Trenching - 2024

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					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	5.6795	49.1364	62.8671	0.1241		2.1960	2.1960		2.0862	2.0862		11,857.7046	11,857.7046	2.7111		11,925.4830
Total	**5.6795**	**49.1364**	**62.8671**	**0.1241**	**1.0605**	**2.1960**	**3.2565**	**0.1145**	**2.0862**	**2.2007**		**11,857.7046**	**11,857.7046**	**2.7111**		**11,925.4830**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2024

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	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
Worker	0.2411	0.1649	2.3171	6.8300e-003	0.8383	4.8300e-003	0.8432	0.2223	4.4400e-003	0.2268		690.4422	690.4422	0.0174	0.0172	695.9984
Total	**0.2411**	**0.1649**	**2.3171**	**6.8300e-003**	**0.8383**	**4.8300e-003**	**0.8432**	**0.2223**	**4.4400e-003**	**0.2268**		**690.4422**	**690.4422**	**0.0174**	**0.0172**	**695.9984**

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					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.4600	8.6322	74.2844	0.1214		0.1864	0.1864		0.1864	0.1864	0.0000	11,660.4504	11,660.4504	2.6907		11,727.7168
Total	**1.4600**	**8.6322**	**74.2844**	**0.1214**	**0.4772**	**0.1864**	**0.6636**	**0.0515**	**0.1864**	**0.2379**	**0.0000**	**11,660.4504**	**11,660.4504**	**2.6907**		**11,727.7168**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2024

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	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
Worker	0.2411	0.1649	2.3171	6.8300e-003	0.8383	4.8300e-003	0.8432	0.2223	4.4400e-003	0.2268		690.4422	690.4422	0.0174	0.0172	695.9984
Total	**0.2411**	**0.1649**	**2.3171**	**6.8300e-003**	**0.8383**	**4.8300e-003**	**0.8432**	**0.2223**	**4.4400e-003**	**0.2268**		**690.4422**	**690.4422**	**0.0174**	**0.0172**	**695.9984**

3.6 Building Construction - 2024

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	1.8126	16.9132	17.4062	0.0329		0.7607	0.7607		0.7151	0.7151		3,129.0007	3,129.0007	0.7893		3,148.7337
Total	**1.8126**	**16.9132**	**17.4062**	**0.0329**		**0.7607**	**0.7607**		**0.7151**	**0.7151**		**3,129.0007**	**3,129.0007**	**0.7893**		**3,148.7337**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

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	0.0000
Vendor	0.0838	3.1410	1.1712	0.0143	0.4996	0.0152	0.5149	0.1439	0.0146	0.1584		1,541.3918	1,541.3918	0.0523	0.2220	1,608.8688
Worker	1.1314	0.7741	10.8751	0.0321	3.9345	0.0227	3.9572	1.0435	0.0209	1.0643		3,240.4754	3,240.4754	0.0815	0.0807	3,266.5525
Total	**1.2152**	**3.9151**	**12.0463**	**0.0464**	**4.4342**	**0.0379**	**4.4721**	**1.1873**	**0.0354**	**1.2228**		**4,781.8672**	**4,781.8672**	**0.1338**	**0.3027**	**4,875.4213**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9680	3,027.9680	0.7788		3,047.4388
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9680**	**3,027.9680**	**0.7788**		**3,047.4388**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2024

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	0.0000
Vendor	0.0838	3.1410	1.1712	0.0143	0.4996	0.0152	0.5149	0.1439	0.0146	0.1584		1,541.3918	1,541.3918	0.0523	0.2220	1,608.8688
Worker	1.1314	0.7741	10.8751	0.0321	3.9345	0.0227	3.9572	1.0435	0.0209	1.0643		3,240.4754	3,240.4754	0.0815	0.0807	3,266.5525
Total	**1.2152**	**3.9151**	**12.0463**	**0.0464**	**4.4342**	**0.0379**	**4.4721**	**1.1873**	**0.0354**	**1.2228**		**4,781.8672**	**4,781.8672**	**0.1338**	**0.3027**	**4,875.4213**

3.6 Building Construction - 2025

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

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	0.0000
Vendor	0.0813	3.1263	1.1500	0.0140	0.4996	0.0153	0.5149	0.1439	0.0146	0.1585		1,513.6874	1,513.6874	0.0527	0.2182	1,580.0268
Worker	1.0611	0.6949	10.1220	0.0310	3.9345	0.0216	3.9561	1.0435	0.0199	1.0633		3,130.4717	3,130.4717	0.0736	0.0753	3,154.7582
Total	**1.1424**	**3.8213**	**11.2719**	**0.0450**	**4.4342**	**0.0369**	**4.4710**	**1.1873**	**0.0345**	**1.2218**		**4,644.1591**	**4,644.1591**	**0.1263**	**0.2935**	**4,734.7850**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2025

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	0.0000
Vendor	0.0813	3.1263	1.1500	0.0140	0.4996	0.0153	0.5149	0.1439	0.0146	0.1585		1,513.6874	1,513.6874	0.0527	0.2182	1,580.0268
Worker	1.0611	0.6949	10.1220	0.0310	3.9345	0.0216	3.9561	1.0435	0.0199	1.0633		3,130.4717	3,130.4717	0.0736	0.0753	3,154.7582
Total	**1.1424**	**3.8213**	**11.2719**	**0.0450**	**4.4342**	**0.0369**	**4.4710**	**1.1873**	**0.0345**	**1.2218**		**4,644.1591**	**4,644.1591**	**0.1263**	**0.2935**	**4,734.7850**

3.6 Building Construction - 2026

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

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	0.0000
Vendor	0.0791	3.1038	1.1337	0.0138	0.4996	0.0152	0.5149	0.1439	0.0146	0.1584		1,485.6352	1,485.6352	0.0530	0.2143	1,550.8106
Worker	1.0012	0.6305	9.4971	0.0300	3.9345	0.0205	3.9550	1.0435	0.0188	1.0623		3,035.4020	3,035.4020	0.0669	0.0710	3,058.2231
Total	**1.0802**	**3.7342**	**10.6308**	**0.0438**	**4.4342**	**0.0357**	**4.4699**	**1.1873**	**0.0334**	**1.2207**		**4,521.0372**	**4,521.0372**	**0.1199**	**0.2852**	**4,609.0338**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2026

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	0.0000
Vendor	0.0791	3.1038	1.1337	0.0138	0.4996	0.0152	0.5149	0.1439	0.0146	0.1584		1,485.6352	1,485.6352	0.0530	0.2143	1,550.8106
Worker	1.0012	0.6305	9.4971	0.0300	3.9345	0.0205	3.9550	1.0435	0.0188	1.0623		3,035.4020	3,035.4020	0.0669	0.0710	3,058.2231
Total	**1.0802**	**3.7342**	**10.6308**	**0.0438**	**4.4342**	**0.0357**	**4.4699**	**1.1873**	**0.0334**	**1.2207**		**4,521.0372**	**4,521.0372**	**0.1199**	**0.2852**	**4,609.0338**

3.6 Building Construction - 2027

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2027

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	0.0000
Vendor	0.0771	3.0811	1.1204	0.0135	0.4997	0.0152	0.5148	0.1439	0.0145	0.1584		1,456.4374	1,456.4374	0.0531	0.2102	1,520.4077
Worker	0.9463	0.5761	8.9660	0.0292	3.9345	0.0192	3.9537	1.0435	0.0177	1.0611		2,951.2003	2,951.2003	0.0611	0.0673	2,972.7929
Total	**1.0234**	**3.6572**	**10.0864**	**0.0427**	**4.4342**	**0.0344**	**4.4685**	**1.1873**	**0.0322**	**1.2195**		**4,407.6377**	**4,407.6377**	**0.1143**	**0.2775**	**4,493.2006**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2027

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	0.0000
Vendor	0.0771	3.0811	1.1204	0.0135	0.4997	0.0152	0.5148	0.1439	0.0145	0.1584		1,456.4374	1,456.4374	0.0531	0.2102	1,520.4077
Worker	0.9463	0.5761	8.9660	0.0292	3.9345	0.0192	3.9537	1.0435	0.0177	1.0611		2,951.2003	2,951.2003	0.0611	0.0673	2,972.7929
Total	**1.0234**	**3.6572**	**10.0864**	**0.0427**	**4.4342**	**0.0344**	**4.4685**	**1.1873**	**0.0322**	**1.2195**		**4,407.6377**	**4,407.6377**	**0.1143**	**0.2775**	**4,493.2006**

3.7 Paving - 2024

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	2.0980	19.0528	26.8114	0.0434		0.9332	0.9332		0.8801	0.8801		4,113.5550	4,113.5550	0.9410		4,137.0808
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0980**	**19.0528**	**26.8114**	**0.0434**		**0.9332**	**0.9332**		**0.8801**	**0.8801**		**4,113.5550**	**4,113.5550**	**0.9410**		**4,137.0808**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2024

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	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
Worker	0.1125	0.0770	1.0813	3.1900e-003	0.3912	2.2500e-003	0.3935	0.1038	2.0700e-003	0.1058		322.2064	322.2064	8.1000e-003	8.0200e-003	324.7993
Total	**0.1125**	**0.0770**	**1.0813**	**3.1900e-003**	**0.3912**	**2.2500e-003**	**0.3935**	**0.1038**	**2.0700e-003**	**0.1058**		**322.2064**	**322.2064**	**8.1000e-003**	**8.0200e-003**	**324.7993**

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	0.5366	4.6309	29.2507	0.0420		0.0632	0.0632		0.0632	0.0632	0.0000	4,014.9279	4,014.9279	0.9308		4,038.1977
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5366**	**4.6309**	**29.2507**	**0.0420**		**0.0632**	**0.0632**		**0.0632**	**0.0632**	**0.0000**	**4,014.9279**	**4,014.9279**	**0.9308**		**4,038.1977**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2024

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	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
Worker	0.1125	0.0770	1.0813	3.1900e-003	0.3912	2.2500e-003	0.3935	0.1038	2.0700e-003	0.1058		322.2064	322.2064	8.1000e-003	8.0200e-003	324.7993
Total	**0.1125**	**0.0770**	**1.0813**	**3.1900e-003**	**0.3912**	**2.2500e-003**	**0.3935**	**0.1038**	**2.0700e-003**	**0.1058**		**322.2064**	**322.2064**	**8.1000e-003**	**8.0200e-003**	**324.7993**

3.8 Architectural Coating - 2026

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	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**8.6976**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2026

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	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
Worker	0.1991	0.1254	1.8886	5.9700e-003	0.7824	4.0700e-003	0.7865	0.2075	3.7400e-003	0.2113		603.6311	603.6311	0.0133	0.0141	608.1694
Total	**0.1991**	**0.1254**	**1.8886**	**5.9700e-003**	**0.7824**	**4.0700e-003**	**0.7865**	**0.2075**	**3.7400e-003**	**0.2113**		**603.6311**	**603.6311**	**0.0133**	**0.0141**	**608.1694**

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	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**7.6552**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2026

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	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
Worker	0.1991	0.1254	1.8886	5.9700e-003	0.7824	4.0700e-003	0.7865	0.2075	3.7400e-003	0.2113		603.6311	603.6311	0.0133	0.0141	608.1694
Total	**0.1991**	**0.1254**	**1.8886**	**5.9700e-003**	**0.7824**	**4.0700e-003**	**0.7865**	**0.2075**	**3.7400e-003**	**0.2113**		**603.6311**	**603.6311**	**0.0133**	**0.0141**	**608.1694**

3.8 Architectural Coating - 2027

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	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**8.6976**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2027

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	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
Worker	0.1882	0.1146	1.7830	5.8100e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		586.8864	586.8864	0.0122	0.0134	591.1804
Total	**0.1882**	**0.1146**	**1.7830**	**5.8100e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**586.8864**	**586.8864**	**0.0122**	**0.0134**	**591.1804**

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	lb/day										lb/day					
Archit. Coating	7.5364					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**7.6552**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2027

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	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
Worker	0.1882	0.1146	1.7830	5.8100e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		586.8864	586.8864	0.0122	0.0134	591.1804
Total	**0.1882**	**0.1146**	**1.7830**	**5.8100e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**586.8864**	**586.8864**	**0.0122**	**0.0134**	**591.1804**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679		17,531.3836	17,531.3836	1.2258	0.7586	17,788.0964
Unmitigated	7.7256	8.1679	77.1056	0.1718	20.4721	0.1228	20.5949	5.4539	0.1141	5.5679		17,531.3836	17,531.3836	1.2258	0.7586	17,788.0964

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,379.84	1,379.84	1379.84	4,274,248	4,274,248
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	821.10	821.10	821.10	3,132,267	3,132,267
Strip Mall	606.90	606.90	606.90	2,315,154	2,315,154
Total	2,807.84	2,807.84	2,807.84	9,721,668	9,721,668

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	10.48	10.48	10.48	33.00	48.00	19.00	100	0	0
Strip Mall	10.48	10.48	10.48	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
Enclosed Parking with Elevator	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
General Office Building	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305
Strip Mall	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
NaturalGas Unmitigated	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	649.671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	75.9178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

OSP - Partial Preservation Phase 1 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	0.649671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	0.0759178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707
Unmitigated	9.4309	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612	0.0000	52.4110	52.4110	0.0504	0.0000	53.6707

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	0.7206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8340					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	0.8763	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612		52.4110	52.4110	0.0504		53.6707
Total	**9.4309**	**0.3347**	**29.0690**	**1.5400e-003**		**0.1612**	**0.1612**		**0.1612**	**0.1612**	**0.0000**	**52.4110**	**52.4110**	**0.0504**	**0.0000**	**53.6707**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.7206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.8340					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	0.8763	0.3347	29.0690	1.5400e-003		0.1612	0.1612		0.1612	0.1612		52.4110	52.4110	0.0504		53.6707
Total	**9.4309**	**0.3347**	**29.0690**	**1.5400e-003**		**0.1612**	**0.1612**		**0.1612**	**0.1612**	**0.0000**	**52.4110**	**52.4110**	**0.0504**	**0.0000**	**53.6707**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	72.00	Dwelling Unit	3.70	72,000.00	206

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	349.00
tblConstructionPhase	NumDays	230.00	698.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	PhaseEndDate	2/20/2025	10/30/2026
tblConstructionPhase	PhaseEndDate	1/1/2025	10/22/2026
tblConstructionPhase	PhaseEndDate	1/26/2024	2/19/2024

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseStartDate	1/28/2025	7/1/2025
tblConstructionPhase	PhaseStartDate	2/15/2024	2/20/2024
tblEnergyUse	Refrigerator	691.75	660.00
tblEnergyUse	T24NG	5,546.02	5,546.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	61.20	0.00
tblFireplaces	NumberNoFireplace	7.20	72.00
tblFireplaces	NumberWood	3.60	0.00
tblLandUse	LotAcreage	1.89	3.70
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	0.2853	2.4886	2.9696	5.8800e-003	0.0831	0.1104	0.1936	0.0217	0.1040	0.1256	0.0000	513.8275	513.8275	0.1105	3.9300e-003	517.7607
2025	0.4061	2.5999	3.1365	6.3200e-003	0.0882	0.1101	0.1982	0.0236	0.1047	0.1283	0.0000	542.1750	542.1750	0.1015	4.1100e-003	545.9389
2026	0.4640	2.5246	3.0806	6.1200e-003	0.0773	0.1071	0.1844	0.0207	0.1028	0.1235	0.0000	518.2620	518.2620	0.0873	3.3200e-003	521.4332
Maximum	**0.4640**	**2.5999**	**3.1365**	**6.3200e-003**	**0.0882**	**0.1104**	**0.1982**	**0.0236**	**0.1047**	**0.1283**	**0.0000**	**542.1750**	**542.1750**	**0.1105**	**4.1100e-003**	**545.9389**

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					
2024	0.0860	0.6372	3.2917	5.7100e-003	0.0831	8.2700e-003	0.0914	0.0217	8.2300e-003	0.0299	0.0000	503.4699	503.4699	0.1095	3.9300e-003	507.3763
2025	0.1708	0.6318	3.2158	5.8500e-003	0.0882	8.1100e-003	0.0963	0.0236	8.0600e-003	0.0316	0.0000	512.0657	512.0657	0.0984	4.1100e-003	515.7515
2026	0.2163	0.5388	3.0081	5.5000e-003	0.0773	7.4400e-003	0.0848	0.0207	7.4000e-003	0.0281	0.0000	478.7580	478.7580	0.0832	3.3200e-003	481.8268
Maximum	**0.2163**	**0.6372**	**3.2917**	**5.8500e-003**	**0.0882**	**8.2700e-003**	**0.0963**	**0.0236**	**8.2300e-003**	**0.0316**	**0.0000**	**512.0657**	**512.0657**	**0.1095**	**4.1100e-003**	**515.7515**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**59.05**	**76.25**	**-3.58**	**6.88**	**0.00**	**92.73**	**52.72**	**0.00**	**92.39**	**76.26**	**0.00**	**5.08**	**5.08**	**2.77**	**0.00**	**5.06**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2024**	**3-31-2024**	0.8702	0.2132
2	**4-1-2024**	**6-30-2024**	0.6266	0.1674
3	**7-1-2024**	**9-30-2024**	0.6335	0.1692
4	**10-1-2024**	**12-31-2024**	0.6348	0.1704
5	**1-1-2025**	**3-31-2025**	0.5754	0.1659
6	**4-1-2025**	**6-30-2025**	0.5806	0.1666
7	**7-1-2025**	**9-30-2025**	0.9211	0.2332
8	**10-1-2025**	**12-31-2025**	0.9224	0.2345
9	**1-1-2026**	**3-31-2026**	0.9016	0.2286
10	**4-1-2026**	**6-30-2026**	0.9104	0.2299
11	**7-1-2026**	**9-30-2026**	0.9204	0.2324
		Highest	0.9224	0.2345

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.3050	8.5400e-003	0.7418	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2129	1.2129	1.1600e-003	0.0000	1.2419
Energy	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	72.7290	72.7290	4.3300e-003	9.7000e-004	73.1259
Mobile	0.1304	0.1385	1.2969	2.8500e-003	0.3285	2.0300e-003	0.3306	0.0877	1.8800e-003	0.0895	0.0000	263.6619	263.6619	0.0186	0.0116	267.5763
Waste						0.0000	0.0000		0.0000	0.0000	6.7231	0.0000	6.7231	0.3973	0.0000	16.6561
Water						0.0000	0.0000		0.0000	0.0000	1.4883	16.6598	18.1481	0.1543	3.7800e-003	23.1311
Total	**0.4382**	**0.1710**	**2.0489**	**3.0400e-003**	**0.3285**	**8.0800e-003**	**0.3366**	**0.0877**	**7.9300e-003**	**0.0956**	**8.2113**	**354.2635**	**362.4749**	**0.5757**	**0.0163**	**381.7312**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.3050	8.5400e-003	0.7418	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2129	1.2129	1.1600e-003	0.0000	1.2419
Energy	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	72.7290	72.7290	4.3300e-003	9.7000e-004	73.1259
Mobile	0.1304	0.1385	1.2969	2.8500e-003	0.3285	2.0300e-003	0.3306	0.0877	1.8800e-003	0.0895	0.0000	263.6619	263.6619	0.0186	0.0116	267.5763
Waste						0.0000	0.0000		0.0000	0.0000	6.7231	0.0000	6.7231	0.3973	0.0000	16.6561
Water						0.0000	0.0000		0.0000	0.0000	1.4883	16.6598	18.1481	0.1543	3.7800e-003	23.1311
Total	**0.4382**	**0.1710**	**2.0489**	**3.0400e-003**	**0.3285**	**8.0800e-003**	**0.3366**	**0.0877**	**7.9300e-003**	**0.0956**	**8.2113**	**354.2635**	**362.4749**	**0.5757**	**0.0163**	**381.7312**

	ROG	NOx	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	Demolition	Demolition	1/1/2024	2/19/2024	5	36	
2	Building Construction	Building Construction	2/20/2024	10/22/2026	5	698	
3	Architectural Coating	Architectural Coating	7/1/2025	10/30/2026	5	349	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 145,800; Residential Outdoor: 48,600; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	3	8.00	78	0.48
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Air Compressors	2	8.00	78	0.48
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

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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
Architectural Coating	12	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	52.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	16	40.00	0.00	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 Demolition - 2024

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					4.7800e-003	0.0000	4.7800e-003	7.2000e-004	0.0000	7.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0602	0.5250	0.7812	1.3700e-003		0.0240	0.0240		0.0227	0.0227	0.0000	119.8468	119.8468	0.0277	0.0000	120.5384
Total	**0.0602**	**0.5250**	**0.7812**	**1.3700e-003**	**4.7800e-003**	**0.0240**	**0.0288**	**7.2000e-004**	**0.0227**	**0.0235**	**0.0000**	**119.8468**	**119.8468**	**0.0277**	**0.0000**	**120.5384**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	5.0000e-005	3.0300e-003	7.8000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.2650	1.2650	7.0000e-005	2.0000e-004	1.3267
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	2.1300e-003	1.6200e-003	0.0228	7.0000e-005	7.8900e-003	5.0000e-005	7.9400e-003	2.1000e-003	4.0000e-005	2.1400e-003	0.0000	6.1026	6.1026	1.5000e-004	1.5000e-004	6.1517
Total	**2.1800e-003**	**4.6500e-003**	**0.0236**	**8.0000e-005**	**8.2700e-003**	**7.0000e-005**	**8.3400e-003**	**2.2000e-003**	**6.0000e-005**	**2.2600e-003**	**0.0000**	**7.3676**	**7.3676**	**2.2000e-004**	**3.5000e-004**	**7.4784**

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					4.7800e-003	0.0000	4.7800e-003	7.2000e-004	0.0000	7.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1145	0.9061	1.3700e-003		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	119.8467	119.8467	0.0277	0.0000	120.5382
Total	**0.0169**	**0.1145**	**0.9061**	**1.3700e-003**	**4.7800e-003**	**2.1100e-003**	**6.8900e-003**	**7.2000e-004**	**2.1100e-003**	**2.8300e-003**	**0.0000**	**119.8467**	**119.8467**	**0.0277**	**0.0000**	**120.5382**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	5.0000e-005	3.0300e-003	7.8000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.2650	1.2650	7.0000e-005	2.0000e-004	1.3267
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	2.1300e-003	1.6200e-003	0.0228	7.0000e-005	7.8900e-003	5.0000e-005	7.9400e-003	2.1000e-003	4.0000e-005	2.1400e-003	0.0000	6.1026	6.1026	1.5000e-004	1.5000e-004	6.1517
Total	**2.1800e-003**	**4.6500e-003**	**0.0236**	**8.0000e-005**	**8.2700e-003**	**7.0000e-005**	**8.3400e-003**	**2.2000e-003**	**6.0000e-005**	**2.2600e-003**	**0.0000**	**7.3676**	**7.3676**	**2.2000e-004**	**3.5000e-004**	**7.4784**

3.3 Building Construction - 2024

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	0.2046	1.9092	1.9653	3.7100e-003		0.0858	0.0858		0.0807	0.0807	0.0000	320.6191	320.6191	0.0809	0.0000	322.6408
Total	**0.2046**	**1.9092**	**1.9653**	**3.7100e-003**		**0.0858**	**0.0858**		**0.0807**	**0.0807**	**0.0000**	**320.6191**	**320.6191**	**0.0809**	**0.0000**	**322.6408**

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3.3 Building Construction - 2024

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	9.9000e-004	0.0365	0.0134	1.7000e-004	5.7000e-003	1.8000e-004	5.8700e-003	1.6400e-003	1.7000e-004	1.8100e-003	0.0000	16.1901	16.1901	5.5000e-004	2.3300e-003	16.8989
Worker	0.0174	0.0132	0.1862	5.4000e-004	0.0644	3.8000e-004	0.0648	0.0171	3.5000e-004	0.0175	0.0000	49.8039	49.8039	1.2300e-003	1.2400e-003	50.2043
Total	**0.0184**	**0.0497**	**0.1995**	**7.1000e-004**	**0.0701**	**5.6000e-004**	**0.0706**	**0.0187**	**5.2000e-004**	**0.0193**	**0.0000**	**65.9940**	**65.9940**	**1.7800e-003**	**3.5700e-003**	**67.1032**

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	0.0485	0.4683	2.1625	3.5500e-003		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003	0.0000	310.2617	310.2617	0.0798	0.0000	312.2565
Total	**0.0485**	**0.4683**	**2.1625**	**3.5500e-003**		**5.5400e-003**	**5.5400e-003**		**5.5400e-003**	**5.5400e-003**	**0.0000**	**310.2617**	**310.2617**	**0.0798**	**0.0000**	**312.2565**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

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	9.9000e-004	0.0365	0.0134	1.7000e-004	5.7000e-003	1.8000e-004	5.8700e-003	1.6400e-003	1.7000e-004	1.8100e-003	0.0000	16.1901	16.1901	5.5000e-004	2.3300e-003	16.8989
Worker	0.0174	0.0132	0.1862	5.4000e-004	0.0644	3.8000e-004	0.0648	0.0171	3.5000e-004	0.0175	0.0000	49.8039	49.8039	1.2300e-003	1.2400e-003	50.2043
Total	**0.0184**	**0.0497**	**0.1995**	**7.1000e-004**	**0.0701**	**5.6000e-004**	**0.0706**	**0.0187**	**5.2000e-004**	**0.0193**	**0.0000**	**65.9940**	**65.9940**	**1.7800e-003**	**3.5700e-003**	**67.1032**

3.3 Building Construction - 2025

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	0.2226	2.0366	2.2546	4.2900e-003		0.0877	0.0877		0.0824	0.0824	0.0000	370.2725	370.2725	0.0932	0.0000	372.6034
Total	**0.2226**	**2.0366**	**2.2546**	**4.2900e-003**		**0.0877**	**0.0877**		**0.0824**	**0.0824**	**0.0000**	**370.2725**	**370.2725**	**0.0932**	**0.0000**	**372.6034**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

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	1.1100e-003	0.0420	0.0151	1.9000e-004	6.5800e-003	2.0000e-004	6.7800e-003	1.9000e-003	2.0000e-004	2.0900e-003	0.0000	18.3611	18.3611	6.4000e-004	2.6500e-003	19.1658
Worker	0.0188	0.0137	0.2001	6.1000e-004	0.0744	4.2000e-004	0.0748	0.0198	3.8000e-004	0.0201	0.0000	55.5624	55.5624	1.2900e-003	1.3400e-003	55.9930
Total	**0.0199**	**0.0557**	**0.2152**	**8.0000e-004**	**0.0809**	**6.2000e-004**	**0.0816**	**0.0217**	**5.8000e-004**	**0.0222**	**0.0000**	**73.9235**	**73.9235**	**1.9300e-003**	**3.9900e-003**	**75.1588**

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	0.0561	0.5409	2.4974	4.1000e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	358.3111	358.3111	0.0920	0.0000	360.6109
Total	**0.0561**	**0.5409**	**2.4974**	**4.1000e-003**		**6.4000e-003**	**6.4000e-003**		**6.4000e-003**	**6.4000e-003**	**0.0000**	**358.3111**	**358.3111**	**0.0920**	**0.0000**	**360.6109**

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3.3 Building Construction - 2025

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	1.1100e-003	0.0420	0.0151	1.9000e-004	6.5800e-003	2.0000e-004	6.7800e-003	1.9000e-003	2.0000e-004	2.0900e-003	0.0000	18.3611	18.3611	6.4000e-004	2.6500e-003	19.1658
Worker	0.0188	0.0137	0.2001	6.1000e-004	0.0744	4.2000e-004	0.0748	0.0198	3.8000e-004	0.0201	0.0000	55.5624	55.5624	1.2900e-003	1.3400e-003	55.9930
Total	**0.0199**	**0.0557**	**0.2152**	**8.0000e-004**	**0.0809**	**6.2000e-004**	**0.0816**	**0.0217**	**5.8000e-004**	**0.0222**	**0.0000**	**73.9235**	**73.9235**	**1.9300e-003**	**3.9900e-003**	**75.1588**

3.3 Building Construction - 2026

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	0.1799	1.6465	1.8227	3.4700e-003		0.0709	0.0709		0.0666	0.0666	0.0000	299.3391	299.3391	0.0754	0.0000	301.2235
Total	**0.1799**	**1.6465**	**1.8227**	**3.4700e-003**		**0.0709**	**0.0709**		**0.0666**	**0.0666**	**0.0000**	**299.3391**	**299.3391**	**0.0754**	**0.0000**	**301.2235**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2026

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	8.7000e-004	0.0337	0.0121	1.5000e-004	5.3200e-003	1.6000e-004	5.4800e-003	1.5400e-003	1.6000e-004	1.6900e-003	0.0000	14.5683	14.5683	5.2000e-004	2.1000e-003	15.2074
Worker	0.0143	0.0100	0.1517	4.7000e-004	0.0601	3.2000e-004	0.0604	0.0160	2.9000e-004	0.0163	0.0000	43.5530	43.5530	9.4000e-004	1.0200e-003	43.8801
Total	**0.0152**	**0.0437**	**0.1638**	**6.2000e-004**	**0.0654**	**4.8000e-004**	**0.0659**	**0.0175**	**4.5000e-004**	**0.0180**	**0.0000**	**58.1213**	**58.1213**	**1.4600e-003**	**3.1200e-003**	**59.0876**

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	0.0453	0.4373	2.0190	3.3200e-003		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	289.6691	289.6691	0.0744	0.0000	291.5284
Total	**0.0453**	**0.4373**	**2.0190**	**3.3200e-003**		**5.1700e-003**	**5.1700e-003**		**5.1700e-003**	**5.1700e-003**	**0.0000**	**289.6691**	**289.6691**	**0.0744**	**0.0000**	**291.5284**

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3.3 Building Construction - 2026

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	8.7000e-004	0.0337	0.0121	1.5000e-004	5.3200e-003	1.6000e-004	5.4800e-003	1.5400e-003	1.6000e-004	1.6900e-003	0.0000	14.5683	14.5683	5.2000e-004	2.1000e-003	15.2074
Worker	0.0143	0.0100	0.1517	4.7000e-004	0.0601	3.2000e-004	0.0604	0.0160	2.9000e-004	0.0163	0.0000	43.5530	43.5530	9.4000e-004	1.0200e-003	43.8801
Total	**0.0152**	**0.0437**	**0.1638**	**6.2000e-004**	**0.0654**	**4.8000e-004**	**0.0659**	**0.0175**	**4.5000e-004**	**0.0180**	**0.0000**	**58.1213**	**58.1213**	**1.4600e-003**	**3.1200e-003**	**59.0876**

3.4 Architectural Coating - 2025

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	0.0852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0766	0.5064	0.6473	1.1800e-003		0.0217	0.0217		0.0217	0.0217	0.0000	92.5751	92.5751	6.2300e-003	0.0000	92.7308
Total	**0.1618**	**0.5064**	**0.6473**	**1.1800e-003**		**0.0217**	**0.0217**		**0.0217**	**0.0217**	**0.0000**	**92.5751**	**92.5751**	**6.2300e-003**	**0.0000**	**92.7308**

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3.4 Architectural Coating - 2025

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	1.8300e-003	1.3300e-003	0.0195	6.0000e-005	7.2300e-003	4.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.4040	5.4040	1.3000e-004	1.3000e-004	5.4458
Total	**1.8300e-003**	**1.3300e-003**	**0.0195**	**6.0000e-005**	**7.2300e-003**	**4.0000e-005**	**7.2700e-003**	**1.9200e-003**	**4.0000e-005**	**1.9600e-003**	**0.0000**	**5.4040**	**5.4040**	**1.3000e-004**	**1.3000e-004**	**5.4458**

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	0.0852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8400e-003	0.0340	0.4838	8.9000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	74.4273	74.4273	4.3400e-003	0.0000	74.5359
Total	**0.0930**	**0.0340**	**0.4838**	**8.9000e-004**		**1.0500e-003**	**1.0500e-003**		**1.0500e-003**	**1.0500e-003**	**0.0000**	**74.4273**	**74.4273**	**4.3400e-003**	**0.0000**	**74.5359**

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3.4 Architectural Coating - 2025

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	1.8300e-003	1.3300e-003	0.0195	6.0000e-005	7.2300e-003	4.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.4040	5.4040	1.3000e-004	1.3000e-004	5.4458
Total	**1.8300e-003**	**1.3300e-003**	**0.0195**	**6.0000e-005**	**7.2300e-003**	**4.0000e-005**	**7.2700e-003**	**1.9200e-003**	**4.0000e-005**	**1.9600e-003**	**0.0000**	**5.4040**	**5.4040**	**1.3000e-004**	**1.3000e-004**	**5.4458**

3.4 Architectural Coating - 2026

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	0.1401					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1260	0.8324	1.0641	1.9300e-003		0.0357	0.0357		0.0357	0.0357	0.0000	152.1878	152.1878	0.0102	0.0000	152.4438
Total	**0.2661**	**0.8324**	**1.0641**	**1.9300e-003**		**0.0357**	**0.0357**		**0.0357**	**0.0357**	**0.0000**	**152.1878**	**152.1878**	**0.0102**	**0.0000**	**152.4438**

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3.4 Architectural Coating - 2026

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	2.8300e-003	1.9900e-003	0.0300	9.0000e-005	0.0119	6.0000e-005	0.0120	3.1600e-003	6.0000e-005	3.2200e-003	0.0000	8.6138	8.6138	1.9000e-004	2.0000e-004	8.6784
Total	**2.8300e-003**	**1.9900e-003**	**0.0300**	**9.0000e-005**	**0.0119**	**6.0000e-005**	**0.0120**	**3.1600e-003**	**6.0000e-005**	**3.2200e-003**	**0.0000**	**8.6138**	**8.6138**	**1.9000e-004**	**2.0000e-004**	**8.6784**

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	0.1401					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.0559	0.7953	1.4700e-003		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	122.3539	122.3539	7.1400e-003	0.0000	122.5324
Total	**0.1530**	**0.0559**	**0.7953**	**1.4700e-003**		**1.7200e-003**	**1.7200e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**122.3539**	**122.3539**	**7.1400e-003**	**0.0000**	**122.5324**

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3.4 Architectural Coating - 2026

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	2.8300e-003	1.9900e-003	0.0300	9.0000e-005	0.0119	6.0000e-005	0.0120	3.1600e-003	6.0000e-005	3.2200e-003	0.0000	8.6138	8.6138	1.9000e-004	2.0000e-004	8.6784
Total	**2.8300e-003**	**1.9900e-003**	**0.0300**	**9.0000e-005**	**0.0119**	**6.0000e-005**	**0.0120**	**3.1600e-003**	**6.0000e-005**	**3.2200e-003**	**0.0000**	**8.6138**	**8.6138**	**1.9000e-004**	**2.0000e-004**	**8.6784**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1304	0.1385	1.2969	2.8500e-003	0.3285	2.0300e-003	0.3306	0.0877	1.8800e-003	0.0895	0.0000	263.6619	263.6619	0.0186	0.0116	267.5763
Unmitigated	0.1304	0.1385	1.2969	2.8500e-003	0.3285	2.0300e-003	0.3306	0.0877	1.8800e-003	0.0895	0.0000	263.6619	263.6619	0.0186	0.0116	267.5763

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	282.24	282.24	282.24	874,278	874,278
Total	282.24	282.24	282.24	874,278	874,278

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
Apartments Mid Rise	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	45.0344	45.0344	3.8000e-003	4.6000e-004	45.2668
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	45.0344	45.0344	3.8000e-003	4.6000e-004	45.2668
NaturalGas Mitigated	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6945	27.6945	5.3000e-004	5.1000e-004	27.8591
NaturalGas Unmitigated	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6945	27.6945	5.3000e-004	5.1000e-004	27.8591

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	518976	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6945	27.6945	5.3000e-004	5.1000e-004	27.8591
Total		**2.8000e-003**	**0.0239**	**0.0102**	**1.5000e-004**		**1.9300e-003**	**1.9300e-003**		**1.9300e-003**	**1.9300e-003**	**0.0000**	**27.6945**	**27.6945**	**5.3000e-004**	**5.1000e-004**	**27.8591**

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	518976	2.8000e-003	0.0239	0.0102	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6945	27.6945	5.3000e-004	5.1000e-004	27.8591
Total		**2.8000e-003**	**0.0239**	**0.0102**	**1.5000e-004**		**1.9300e-003**	**1.9300e-003**		**1.9300e-003**	**1.9300e-003**	**0.0000**	**27.6945**	**27.6945**	**5.3000e-004**	**5.1000e-004**	**27.8591**

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	253936	45.0344	3.8000e-003	4.6000e-004	45.2668
Total		**45.0344**	**3.8000e-003**	**4.6000e-004**	**45.2668**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	253936	45.0344	3.8000e-003	4.6000e-004	45.2668
Total		**45.0344**	**3.8000e-003**	**4.6000e-004**	**45.2668**

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive 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	0.3050	8.5400e-003	0.7418	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2129	1.2129	1.1600e-003	0.0000	1.2419
Unmitigated	0.3050	8.5400e-003	0.7418	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2129	1.2129	1.1600e-003	0.0000	1.2419

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	0.0225					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2602					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	0.0223	8.5400e-003	0.7418	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2129	1.2129	1.1600e-003	0.0000	1.2419
Total	**0.3050**	**8.5400e-003**	**0.7418**	**4.0000e-005**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**1.2129**	**1.2129**	**1.1600e-003**	**0.0000**	**1.2419**

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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	0.0225					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2602					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	0.0223	8.5400e-003	0.7418	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2129	1.2129	1.1600e-003	0.0000	1.2419
Total	**0.3050**	**8.5400e-003**	**0.7418**	**4.0000e-005**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**1.2129**	**1.2129**	**1.1600e-003**	**0.0000**	**1.2419**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	18.1481	0.1543	3.7800e-003	23.1311
Unmitigated	18.1481	0.1543	3.7800e-003	23.1311

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.69109 / 2.95743	18.1481	0.1543	3.7800e-003	23.1311
Total		**18.1481**	**0.1543**	**3.7800e-003**	**23.1311**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.69109 / 2.95743	18.1481	0.1543	3.7800e-003	23.1311
Total		**18.1481**	**0.1543**	**3.7800e-003**	**23.1311**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.7231	0.3973	0.0000	16.6561
Unmitigated	6.7231	0.3973	0.0000	16.6561

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	33.12	6.7231	0.3973	0.0000	16.6561
Total		**6.7231**	**0.3973**	**0.0000**	**16.6561**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	33.12	6.7231	0.3973	0.0000	16.6561
Total		**6.7231**	**0.3973**	**0.0000**	**16.6561**

9.0 Operational Offroad

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	72.00	Dwelling Unit	3.70	72,000.00	206

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	349.00
tblConstructionPhase	NumDays	230.00	698.00
tblConstructionPhase	NumDays	20.00	36.00
tblEnergyUse	T24NG	5,546.02	5,546.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	61.20	0.00
tblFireplaces	NumberNoFireplace	7.20	72.00
tblFireplaces	NumberWood	3.60	0.00
tblLandUse	LotAcreage	1.89	3.70
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	3.4672	29.4347	44.8441	0.0810	0.7343	1.3399	2.0742	0.1689	1.2682	1.4328	0.0000	7,809.0350	7,809.0350	1.7087	0.0339	7,857.9772
2025	4.3410	23.7105	29.1479	0.0579	0.7443	1.0072	1.7515	0.1986	0.9663	1.1648	0.0000	5,412.0885	5,412.0885	0.9102	0.0347	5,445.1990
2026	4.3305	23.6980	29.0256	0.0577	0.7443	1.0070	1.7513	0.1986	0.9661	1.1647	0.0000	5,391.4871	5,391.4871	0.9091	0.0336	5,424.2361
Maximum	**4.3410**	**29.4347**	**44.8441**	**0.0810**	**0.7443**	**1.3399**	**2.0742**	**0.1986**	**1.2682**	**1.4328**	**0.0000**	**7,809.0350**	**7,809.0350**	**1.7087**	**0.0347**	**7,857.9772**

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					
2024	1.0639	6.6272	51.7705	0.0810	0.7343	0.1209	0.8552	0.1689	0.1206	0.2853	0.0000	7,809.0350	7,809.0350	1.7087	0.0339	7,857.9772
2025	2.0215	5.1022	28.5283	0.0522	0.7443	0.0703	0.8145	0.1986	0.0699	0.2685	0.0000	5,007.9580	5,007.9580	0.8683	0.0347	5,040.0196
2026	2.0110	5.0897	28.4061	0.0520	0.7443	0.0701	0.8143	0.1986	0.0697	0.2683	0.0000	4,987.3566	4,987.3566	0.8671	0.0336	5,019.0566
Maximum	**2.0215**	**6.6272**	**51.7705**	**0.0810**	**0.7443**	**0.1209**	**0.8552**	**0.1986**	**0.1206**	**0.2853**	**0.0000**	**7,809.0350**	**7,809.0350**	**1.7087**	**0.0347**	**7,857.9772**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**58.02**	**78.11**	**-5.52**	**5.78**	**0.00**	**92.21**	**55.46**	**0.00**	**91.87**	**78.15**	**0.00**	**4.34**	**4.34**	**2.38**	**0.00**	**4.33**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518
Energy	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Mobile	0.7434	0.6967	7.1762	0.0162	1.8411	0.0111	1.8522	0.4905	0.0104	0.5008		1,648.8002	1,648.8002	0.1100	0.0669	1,671.4914
Total	**2.4860**	**0.8961**	**13.1664**	**0.0173**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**	**0.0000**	**1,826.7726**	**1,826.7726**	**0.1235**	**0.0700**	**1,850.7140**

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	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518
Energy	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Mobile	0.7434	0.6967	7.1762	0.0162	1.8411	0.0111	1.8522	0.4905	0.0104	0.5008		1,648.8002	1,648.8002	0.1100	0.0669	1,671.4914
Total	**2.4860**	**0.8961**	**13.1664**	**0.0173**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**	**0.0000**	**1,826.7726**	**1,826.7726**	**0.1235**	**0.0700**	**1,850.7140**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2024	2/19/2024	5	36	
2	Building Construction	Building Construction	2/20/2024	10/22/2026	5	698	
3	Architectural Coating	Architectural Coating	7/1/2025	10/30/2026	5	349	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 145,800; Residential Outdoor: 48,600; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	52.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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					0.2658	0.0000	0.2658	0.0402	0.0000	0.0402			0.0000			0.0000
Off-Road	3.3453	29.1951	43.4575	0.0764		1.3363	1.3363		1.2648	1.2648		7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**3.3453**	**29.1951**	**43.4575**	**0.0764**	**0.2658**	**1.3363**	**1.6021**	**0.0402**	**1.2648**	**1.3051**		**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

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	2.6300e-003	0.1599	0.0433	7.0000e-004	0.0214	1.0100e-003	0.0224	5.8700e-003	9.7000e-004	6.8400e-003		77.4350	77.4350	4.3700e-003	0.0123	81.2100
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
Worker	0.1193	0.0797	1.3433	3.8500e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		388.6920	388.6920	9.1300e-003	8.5900e-003	391.4786
Total	**0.1219**	**0.2396**	**1.3866**	**4.5500e-003**	**0.4685**	**3.5800e-003**	**0.4721**	**0.1244**	**3.3400e-003**	**0.1278**		**466.1271**	**466.1271**	**0.0135**	**0.0209**	**472.6886**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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					0.2658	0.0000	0.2658	0.0402	0.0000	0.0402			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**0.2658**	**0.1173**	**0.3831**	**0.0402**	**0.1173**	**0.1575**	**0.0000**	**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

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	2.6300e-003	0.1599	0.0433	7.0000e-004	0.0214	1.0100e-003	0.0224	5.8700e-003	9.7000e-004	6.8400e-003		77.4350	77.4350	4.3700e-003	0.0123	81.2100
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
Worker	0.1193	0.0797	1.3433	3.8500e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		388.6920	388.6920	9.1300e-003	8.5900e-003	391.4786
Total	**0.1219**	**0.2396**	**1.3866**	**4.5500e-003**	**0.4685**	**3.5800e-003**	**0.4721**	**0.1244**	**3.3400e-003**	**0.1278**		**466.1271**	**466.1271**	**0.0135**	**0.0209**	**472.6886**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

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	1.8126	16.9132	17.4062	0.0329		0.7607	0.7607		0.7151	0.7151		3,129.0007	3,129.0007	0.7893		3,148.7337
Total	**1.8126**	**16.9132**	**17.4062**	**0.0329**		**0.7607**	**0.7607**		**0.7151**	**0.7151**		**3,129.0007**	**3,129.0007**	**0.7893**		**3,148.7337**

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	0.0000
Vendor	8.9300e-003	0.3077	0.1164	1.4700e-003	0.0512	1.5500e-003	0.0528	0.0148	1.4900e-003	0.0162		157.8197	157.8197	5.3900e-003	0.0227	164.7232
Worker	0.1550	0.1036	1.7463	5.0000e-003	0.5812	3.3500e-003	0.5846	0.1542	3.0800e-003	0.1572		505.2997	505.2997	0.0119	0.0112	508.9222
Total	**0.1640**	**0.4112**	**1.8627**	**6.4700e-003**	**0.6325**	**4.9000e-003**	**0.6374**	**0.1689**	**4.5700e-003**	**0.1735**		**663.1193**	**663.1193**	**0.0173**	**0.0339**	**673.6454**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9680	3,027.9680	0.7788		3,047.4388
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9680**	**3,027.9680**	**0.7788**		**3,047.4388**

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	0.0000
Vendor	8.9300e-003	0.3077	0.1164	1.4700e-003	0.0512	1.5500e-003	0.0528	0.0148	1.4900e-003	0.0162		157.8197	157.8197	5.3900e-003	0.0227	164.7232
Worker	0.1550	0.1036	1.7463	5.0000e-003	0.5812	3.3500e-003	0.5846	0.1542	3.0800e-003	0.1572		505.2997	505.2997	0.0119	0.0112	508.9222
Total	**0.1640**	**0.4112**	**1.8627**	**6.4700e-003**	**0.6325**	**4.9000e-003**	**0.6374**	**0.1689**	**4.5700e-003**	**0.1735**		**663.1193**	**663.1193**	**0.0173**	**0.0339**	**673.6454**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	8.6800e-003	0.3062	0.1143	1.4400e-003	0.0512	1.5600e-003	0.0528	0.0148	1.4900e-003	0.0163		154.9783	154.9783	5.4300e-003	0.0223	161.7656
Worker	0.1449	0.0930	1.6241	4.8300e-003	0.5812	3.1900e-003	0.5844	0.1542	2.9300e-003	0.1571		488.0862	488.0862	0.0107	0.0104	491.4601
Total	**0.1536**	**0.3992**	**1.7384**	**6.2700e-003**	**0.6325**	**4.7500e-003**	**0.6372**	**0.1689**	**4.4200e-003**	**0.1733**		**643.0646**	**643.0646**	**0.0161**	**0.0327**	**653.2257**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	8.6800e-003	0.3062	0.1143	1.4400e-003	0.0512	1.5600e-003	0.0528	0.0148	1.4900e-003	0.0163		154.9783	154.9783	5.4300e-003	0.0223	161.7656
Worker	0.1449	0.0930	1.6241	4.8300e-003	0.5812	3.1900e-003	0.5844	0.1542	2.9300e-003	0.1571		488.0862	488.0862	0.0107	0.0104	491.4601
Total	**0.1536**	**0.3992**	**1.7384**	**6.2700e-003**	**0.6325**	**4.7500e-003**	**0.6372**	**0.1689**	**4.4200e-003**	**0.1733**		**643.0646**	**643.0646**	**0.0161**	**0.0327**	**653.2257**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2026

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	8.4600e-003	0.3040	0.1127	1.4100e-003	0.0513	1.5500e-003	0.0528	0.0148	1.4900e-003	0.0162		152.1019	152.1019	5.4600e-003	0.0219	158.7703
Worker	0.1363	0.0844	1.5230	4.6800e-003	0.5812	3.0200e-003	0.5843	0.1542	2.7800e-003	0.1569		473.2201	473.2201	9.7100e-003	9.8200e-003	476.3905
Total	**0.1447**	**0.3884**	**1.6356**	**6.0900e-003**	**0.6325**	**4.5700e-003**	**0.6371**	**0.1689**	**4.2700e-003**	**0.1732**		**625.3220**	**625.3220**	**0.0152**	**0.0317**	**635.1608**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2026

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	8.4600e-003	0.3040	0.1127	1.4100e-003	0.0513	1.5500e-003	0.0528	0.0148	1.4900e-003	0.0162		152.1019	152.1019	5.4600e-003	0.0219	158.7703
Worker	0.1363	0.0844	1.5230	4.6800e-003	0.5812	3.0200e-003	0.5843	0.1542	2.7800e-003	0.1569		473.2201	473.2201	9.7100e-003	9.8200e-003	476.3905
Total	**0.1447**	**0.3884**	**1.6356**	**6.0900e-003**	**0.6325**	**4.5700e-003**	**0.6371**	**0.1689**	**4.2700e-003**	**0.1732**		**625.3220**	**625.3220**	**0.0152**	**0.0317**	**635.1608**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2025

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**2.4521**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0279	0.0179	0.3123	9.3000e-004	0.1118	6.1000e-004	0.1124	0.0296	5.6000e-004	0.0302		93.8627	93.8627	2.0600e-003	2.0000e-003	94.5116
Total	**0.0279**	**0.0179**	**0.3123**	**9.3000e-004**	**0.1118**	**6.1000e-004**	**0.1124**	**0.0296**	**5.6000e-004**	**0.0302**		**93.8627**	**93.8627**	**2.0600e-003**	**2.0000e-003**	**94.5116**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2025

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**1.4098**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0279	0.0179	0.3123	9.3000e-004	0.1118	6.1000e-004	0.1124	0.0296	5.6000e-004	0.0302		93.8627	93.8627	2.0600e-003	2.0000e-003	94.5116
Total	**0.0279**	**0.0179**	**0.3123**	**9.3000e-004**	**0.1118**	**6.1000e-004**	**0.1124**	**0.0296**	**5.6000e-004**	**0.0302**		**93.8627**	**93.8627**	**2.0600e-003**	**2.0000e-003**	**94.5116**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**2.4521**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0262	0.0162	0.2929	9.0000e-004	0.1118	5.8000e-004	0.1124	0.0296	5.3000e-004	0.0302		91.0039	91.0039	1.8700e-003	1.8900e-003	91.6136
Total	**0.0262**	**0.0162**	**0.2929**	**9.0000e-004**	**0.1118**	**5.8000e-004**	**0.1124**	**0.0296**	**5.3000e-004**	**0.0302**		**91.0039**	**91.0039**	**1.8700e-003**	**1.8900e-003**	**91.6136**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**1.4098**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0262	0.0162	0.2929	9.0000e-004	0.1118	5.8000e-004	0.1124	0.0296	5.3000e-004	0.0302		91.0039	91.0039	1.8700e-003	1.8900e-003	91.6136
Total	**0.0262**	**0.0162**	**0.2929**	**9.0000e-004**	**0.1118**	**5.8000e-004**	**0.1124**	**0.0296**	**5.3000e-004**	**0.0302**		**91.0039**	**91.0039**	**1.8700e-003**	**1.8900e-003**	**91.6136**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.7434	0.6967	7.1762	0.0162	1.8411	0.0111	1.8522	0.4905	0.0104	0.5008		1,648.8002	1,648.8002	0.1100	0.0669	1,671.4914
Unmitigated	0.7434	0.6967	7.1762	0.0162	1.8411	0.0111	1.8522	0.4905	0.0104	0.5008		1,648.8002	1,648.8002	0.1100	0.0669	1,671.4914

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	282.24	282.24	282.24	874,278	874,278
Total	282.24	282.24	282.24	874,278	874,278

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
Apartments Mid Rise	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
NaturalGas Unmitigated	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708

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	1421.85	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Total		**0.0153**	**0.1310**	**0.0558**	**8.4000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**		**167.2767**	**167.2767**	**3.2100e-003**	**3.0700e-003**	**168.2708**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.42185	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Total		**0.0153**	**0.1310**	**0.0558**	**8.4000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**		**167.2767**	**167.2767**	**3.2100e-003**	**3.0700e-003**	**168.2708**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518
Unmitigated	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4256					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	0.1782	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.6958	10.6958	0.0102		10.9518
Total	**1.7272**	**0.0684**	**5.9345**	**3.1000e-004**		**0.0329**	**0.0329**		**0.0329**	**0.0329**	**0.0000**	**10.6958**	**10.6958**	**0.0102**	**0.0000**	**10.9518**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4256					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	0.1782	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.6958	10.6958	0.0102		10.9518
Total	**1.7272**	**0.0684**	**5.9345**	**3.1000e-004**		**0.0329**	**0.0329**		**0.0329**	**0.0329**	**0.0000**	**10.6958**	**10.6958**	**0.0102**	**0.0000**	**10.9518**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation - Phase 1 - Rehab

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	72.00	Dwelling Unit	3.70	72,000.00	206

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	349.00
tblConstructionPhase	NumDays	230.00	698.00
tblConstructionPhase	NumDays	20.00	36.00
tblEnergyUse	T24NG	5,546.02	5,546.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	61.20	0.00
tblFireplaces	NumberNoFireplace	7.20	72.00
tblFireplaces	NumberWood	3.60	0.00
tblLandUse	LotAcreage	1.89	3.70
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	3.4763	29.4501	44.7372	0.0808	0.7343	1.3399	2.0742	0.1689	1.2682	1.4328	0.0000	7,788.6615	7,788.6615	1.7089	0.0347	7,837.7843
2025	4.3548	23.7364	28.9979	0.0576	0.7443	1.0073	1.7515	0.1986	0.9663	1.1648	0.0000	5,381.8011	5,381.8011	0.9104	0.0357	5,415.1834
2026	4.3440	23.7227	28.8862	0.0574	0.7443	1.0071	1.7513	0.1986	0.9661	1.1647	0.0000	5,362.1787	5,362.1787	0.9092	0.0345	5,395.1835
Maximum	**4.3548**	**29.4501**	**44.7372**	**0.0808**	**0.7443**	**1.3399**	**2.0742**	**0.1986**	**1.2682**	**1.4328**	**0.0000**	**7,788.6615**	**7,788.6615**	**1.7089**	**0.0357**	**7,837.7843**

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					
2024	1.0731	6.6425	51.6636	0.0808	0.7343	0.1209	0.8552	0.1689	0.1206	0.2853	0.0000	7,788.6615	7,788.6615	1.7089	0.0347	7,837.7843
2025	2.0353	5.1281	28.3784	0.0519	0.7443	0.0703	0.8145	0.1986	0.0699	0.2685	0.0000	4,977.6706	4,977.6706	0.8684	0.0357	5,010.0039
2026	2.0245	5.1144	28.2666	0.0517	0.7443	0.0701	0.8143	0.1986	0.0697	0.2683	0.0000	4,958.0482	4,958.0482	0.8673	0.0345	4,990.0041
Maximum	**2.0353**	**6.6425**	**51.6636**	**0.0808**	**0.7443**	**0.1209**	**0.8552**	**0.1986**	**0.1206**	**0.2853**	**0.0000**	**7,788.6615**	**7,788.6615**	**1.7089**	**0.0357**	**7,837.7843**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	57.84	78.05	-5.54	5.81	0.00	92.21	55.46	0.00	91.87	78.15	0.00	4.36	4.36	2.38	0.00	4.35

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518
Energy	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Mobile	0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008		1,580.5210	1,580.5210	0.1131	0.0697	1,604.1335
Total	**2.4713**	**0.9509**	**13.0666**	**0.0166**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**	**0.0000**	**1,758.4935**	**1,758.4935**	**0.1266**	**0.0728**	**1,783.3561**

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	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518
Energy	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Mobile	0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008		1,580.5210	1,580.5210	0.1131	0.0697	1,604.1335
Total	**2.4713**	**0.9509**	**13.0666**	**0.0166**	**1.8411**	**0.0547**	**1.8957**	**0.4905**	**0.0539**	**0.5443**	**0.0000**	**1,758.4935**	**1,758.4935**	**0.1266**	**0.0728**	**1,783.3561**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2024	2/19/2024	5	36	
2	Building Construction	Building Construction	2/20/2024	10/22/2026	5	698	
3	Architectural Coating	Architectural Coating	7/1/2025	10/30/2026	5	349	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 145,800; Residential Outdoor: 48,600; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	52.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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					0.2658	0.0000	0.2658	0.0402	0.0000	0.0402			0.0000			0.0000
Off-Road	3.3453	29.1951	43.4575	0.0764		1.3363	1.3363		1.2648	1.2648		7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**3.3453**	**29.1951**	**43.4575**	**0.0764**	**0.2658**	**1.3363**	**1.6021**	**0.0402**	**1.2648**	**1.3051**		**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

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	2.4600e-003	0.1670	0.0439	7.0000e-004	0.0214	1.0200e-003	0.0224	5.8700e-003	9.7000e-004	6.8400e-003		77.5178	77.5178	4.3600e-003	0.0123	81.2965
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
Worker	0.1286	0.0880	1.2358	3.6400e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		368.2358	368.2358	9.2600e-003	9.1700e-003	371.1992
Total	**0.1310**	**0.2549**	**1.2797**	**4.3400e-003**	**0.4685**	**3.5900e-003**	**0.4721**	**0.1244**	**3.3400e-003**	**0.1278**		**445.7536**	**445.7536**	**0.0136**	**0.0215**	**452.4957**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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					0.2658	0.0000	0.2658	0.0402	0.0000	0.0402			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,342.9079	7,342.9079	1.6952		7,385.2886
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**0.2658**	**0.1173**	**0.3831**	**0.0402**	**0.1173**	**0.1575**	**0.0000**	**7,342.9079**	**7,342.9079**	**1.6952**		**7,385.2886**

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	2.4600e-003	0.1670	0.0439	7.0000e-004	0.0214	1.0200e-003	0.0224	5.8700e-003	9.7000e-004	6.8400e-003		77.5178	77.5178	4.3600e-003	0.0123	81.2965
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
Worker	0.1286	0.0880	1.2358	3.6400e-003	0.4471	2.5700e-003	0.4497	0.1186	2.3700e-003	0.1209		368.2358	368.2358	9.2600e-003	9.1700e-003	371.1992
Total	**0.1310**	**0.2549**	**1.2797**	**4.3400e-003**	**0.4685**	**3.5900e-003**	**0.4721**	**0.1244**	**3.3400e-003**	**0.1278**		**445.7536**	**445.7536**	**0.0136**	**0.0215**	**452.4957**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

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	1.8126	16.9132	17.4062	0.0329		0.7607	0.7607		0.7151	0.7151		3,129.0007	3,129.0007	0.7893		3,148.7337
Total	**1.8126**	**16.9132**	**17.4062**	**0.0329**		**0.7607**	**0.7607**		**0.7151**	**0.7151**		**3,129.0007**	**3,129.0007**	**0.7893**		**3,148.7337**

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	0.0000
Vendor	8.6000e-003	0.3222	0.1201	1.4700e-003	0.0512	1.5600e-003	0.0528	0.0148	1.5000e-003	0.0163		158.0915	158.0915	5.3600e-003	0.0228	165.0122
Worker	0.1671	0.1144	1.6065	4.7400e-003	0.5812	3.3500e-003	0.5846	0.1542	3.0800e-003	0.1572		478.7066	478.7066	0.0120	0.0119	482.5589
Total	**0.1757**	**0.4365**	**1.7267**	**6.2100e-003**	**0.6325**	**4.9100e-003**	**0.6374**	**0.1689**	**4.5800e-003**	**0.1735**		**636.7981**	**636.7981**	**0.0174**	**0.0347**	**647.5711**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9680	3,027.9680	0.7788		3,047.4388
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9680**	**3,027.9680**	**0.7788**		**3,047.4388**

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	0.0000
Vendor	8.6000e-003	0.3222	0.1201	1.4700e-003	0.0512	1.5600e-003	0.0528	0.0148	1.5000e-003	0.0163		158.0915	158.0915	5.3600e-003	0.0228	165.0122
Worker	0.1671	0.1144	1.6065	4.7400e-003	0.5812	3.3500e-003	0.5846	0.1542	3.0800e-003	0.1572		478.7066	478.7066	0.0120	0.0119	482.5589
Total	**0.1757**	**0.4365**	**1.7267**	**6.2100e-003**	**0.6325**	**4.9100e-003**	**0.6374**	**0.1689**	**4.5800e-003**	**0.1735**		**636.7981**	**636.7981**	**0.0174**	**0.0347**	**647.5711**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	8.3400e-003	0.3207	0.1179	1.4400e-003	0.0512	1.5700e-003	0.0528	0.0148	1.5000e-003	0.0163		155.2500	155.2500	5.4000e-003	0.0224	162.0540
Worker	0.1568	0.1027	1.4953	4.5800e-003	0.5812	3.1900e-003	0.5844	0.1542	2.9300e-003	0.1571		462.4561	462.4561	0.0109	0.0111	466.0438
Total	**0.1651**	**0.4233**	**1.6132**	**6.0200e-003**	**0.6325**	**4.7600e-003**	**0.6372**	**0.1689**	**4.4300e-003**	**0.1733**		**617.7060**	**617.7060**	**0.0163**	**0.0335**	**628.0979**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	8.3400e-003	0.3207	0.1179	1.4400e-003	0.0512	1.5700e-003	0.0528	0.0148	1.5000e-003	0.0163		155.2500	155.2500	5.4000e-003	0.0224	162.0540
Worker	0.1568	0.1027	1.4953	4.5800e-003	0.5812	3.1900e-003	0.5844	0.1542	2.9300e-003	0.1571		462.4561	462.4561	0.0109	0.0111	466.0438
Total	**0.1651**	**0.4233**	**1.6132**	**6.0200e-003**	**0.6325**	**4.7600e-003**	**0.6372**	**0.1689**	**4.4300e-003**	**0.1733**		**617.7060**	**617.7060**	**0.0163**	**0.0335**	**628.0979**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2026

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	8.1100e-003	0.3183	0.1163	1.4100e-003	0.0513	1.5600e-003	0.0528	0.0148	1.4900e-003	0.0163		152.3728	152.3728	5.4400e-003	0.0220	159.0575
Worker	0.1479	0.0931	1.4030	4.4400e-003	0.5812	3.0200e-003	0.5843	0.1542	2.7800e-003	0.1569		448.4117	448.4117	9.8800e-003	0.0105	451.7830
Total	**0.1560**	**0.4115**	**1.5193**	**5.8500e-003**	**0.6325**	**4.5800e-003**	**0.6371**	**0.1689**	**4.2700e-003**	**0.1732**		**600.7845**	**600.7845**	**0.0153**	**0.0325**	**610.8405**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2026

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	8.1100e-003	0.3183	0.1163	1.4100e-003	0.0513	1.5600e-003	0.0528	0.0148	1.4900e-003	0.0163		152.3728	152.3728	5.4400e-003	0.0220	159.0575
Worker	0.1479	0.0931	1.4030	4.4400e-003	0.5812	3.0200e-003	0.5843	0.1542	2.7800e-003	0.1569		448.4117	448.4117	9.8800e-003	0.0105	451.7830
Total	**0.1560**	**0.4115**	**1.5193**	**5.8500e-003**	**0.6325**	**4.5800e-003**	**0.6371**	**0.1689**	**4.2700e-003**	**0.1732**		**600.7845**	**600.7845**	**0.0153**	**0.0325**	**610.8405**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2025

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**2.4521**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0302	0.0197	0.2876	8.8000e-004	0.1118	6.1000e-004	0.1124	0.0296	5.6000e-004	0.0302		88.9339	88.9339	2.0900e-003	2.1400e-003	89.6238
Total	**0.0302**	**0.0197**	**0.2876**	**8.8000e-004**	**0.1118**	**6.1000e-004**	**0.1124**	**0.0296**	**5.6000e-004**	**0.0302**		**88.9339**	**88.9339**	**2.0900e-003**	**2.1400e-003**	**89.6238**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2025

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**1.4098**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0302	0.0197	0.2876	8.8000e-004	0.1118	6.1000e-004	0.1124	0.0296	5.6000e-004	0.0302		88.9339	88.9339	2.0900e-003	2.1400e-003	89.6238
Total	**0.0302**	**0.0197**	**0.2876**	**8.8000e-004**	**0.1118**	**6.1000e-004**	**0.1124**	**0.0296**	**5.6000e-004**	**0.0302**		**88.9339**	**88.9339**	**2.0900e-003**	**2.1400e-003**	**89.6238**

OSP - Partial Preservation - Phase 1 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**2.4521**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0284	0.0179	0.2698	8.5000e-004	0.1118	5.8000e-004	0.1124	0.0296	5.3000e-004	0.0302		86.2330	86.2330	1.9000e-003	2.0200e-003	86.8813
Total	**0.0284**	**0.0179**	**0.2698**	**8.5000e-004**	**0.1118**	**5.8000e-004**	**0.1124**	**0.0296**	**5.3000e-004**	**0.0302**		**86.2330**	**86.2330**	**1.9000e-003**	**2.0200e-003**	**86.8813**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

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	1.2909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**1.4098**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0284	0.0179	0.2698	8.5000e-004	0.1118	5.8000e-004	0.1124	0.0296	5.3000e-004	0.0302		86.2330	86.2330	1.9000e-003	2.0200e-003	86.8813
Total	**0.0284**	**0.0179**	**0.2698**	**8.5000e-004**	**0.1118**	**5.8000e-004**	**0.1124**	**0.0296**	**5.3000e-004**	**0.0302**		**86.2330**	**86.2330**	**1.9000e-003**	**2.0200e-003**	**86.8813**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008		1,580.5210	1,580.5210	0.1131	0.0697	1,604.1335
Unmitigated	0.7288	0.7515	7.0763	0.0155	1.8411	0.0112	1.8522	0.4905	0.0104	0.5008		1,580.5210	1,580.5210	0.1131	0.0697	1,604.1335

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	282.24	282.24	282.24	874,278	874,278
Total	282.24	282.24	282.24	874,278	874,278

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
Apartments Mid Rise	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
NaturalGas Unmitigated	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708

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	1421.85	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Total		**0.0153**	**0.1310**	**0.0558**	**8.4000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**		**167.2767**	**167.2767**	**3.2100e-003**	**3.0700e-003**	**168.2708**

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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	1.42185	0.0153	0.1310	0.0558	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.2767	167.2767	3.2100e-003	3.0700e-003	168.2708
Total		**0.0153**	**0.1310**	**0.0558**	**8.4000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**		**167.2767**	**167.2767**	**3.2100e-003**	**3.0700e-003**	**168.2708**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518
Unmitigated	1.7272	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329	0.0000	10.6958	10.6958	0.0102	0.0000	10.9518

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4256					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	0.1782	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.6958	10.6958	0.0102		10.9518
Total	**1.7272**	**0.0684**	**5.9345**	**3.1000e-004**		**0.0329**	**0.0329**		**0.0329**	**0.0329**	**0.0000**	**10.6958**	**10.6958**	**0.0102**	**0.0000**	**10.9518**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4256					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	0.1782	0.0684	5.9345	3.1000e-004		0.0329	0.0329		0.0329	0.0329		10.6958	10.6958	0.0102		10.9518
Total	**1.7272**	**0.0684**	**5.9345**	**3.1000e-004**		**0.0329**	**0.0329**		**0.0329**	**0.0329**	**0.0000**	**10.6958**	**10.6958**	**0.0102**	**0.0000**	**10.9518**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15.00	1000sqft	0.34	15,000.00	0
Enclosed Parking with Elevator	331.00	Space	0.81	132,400.00	0
Apartments Mid Rise	228.00	Dwelling Unit	1.00	228,000.00	652
Strip Mall	11.00	1000sqft	0.25	11,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Trips and VMT - See assumptiosn

Demolition -

Grading - See Assumptions

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	176.00
tblConstructionPhase	NumDays	220.00	351.00
tblConstructionPhase	NumDays	20.00	31.00
tblConstructionPhase	NumDays	6.00	31.00
tblConstructionPhase	NumDays	6.00	31.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	3.00	15.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	193.80	0.00
tblFireplaces	NumberNoFireplace	22.80	228.00
tblFireplaces	NumberWood	11.40	0.00
tblGrading	AcresOfGrading	31.00	6.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	0.00	4.50
tblGrading	MaterialExported	0.00	50,170.00
tblLandUse	LotAcreage	2.98	0.81
tblLandUse	LotAcreage	6.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	6,271.00	3,160.00
tblVehicleTrips	CC_TL	8.40	9.10
tblVehicleTrips	CC_TL	8.40	9.10
tblVehicleTrips	CNW_TL	6.90	9.10
tblVehicleTrips	CNW_TL	6.90	9.10
tblVehicleTrips	CW_TL	16.60	9.10
tblVehicleTrips	CW_TL	16.60	9.10
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	41.10
tblVehicleTrips	ST_TR	42.04	41.10
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	41.10
tblVehicleTrips	SU_TR	20.43	41.10
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	41.10
tblVehicleTrips	WD_TR	44.32	41.10
tblWoodstoves	NumberCatalytic	11.40	0.00
tblWoodstoves	NumberNoncatalytic	11.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2027	0.1699	1.5751	2.1943	4.7300e-003	0.0790	0.0583	0.1372	0.0177	0.0554	0.0732	0.0000	421.5168	421.5168	0.0750	0.0146	427.7558
2028	0.6871	2.8768	3.8919	9.2900e-003	0.3664	0.1144	0.4808	0.0977	0.1082	0.2059	0.0000	823.7666	823.7666	0.1243	0.0194	832.6467
2029	0.7305	1.4065	1.8893	4.4600e-003	0.1841	0.0562	0.2403	0.0493	0.0538	0.1032	0.0000	390.3874	390.3874	0.0485	8.9800e-003	394.2757
Maximum	**0.7305**	**2.8768**	**3.8919**	**9.2900e-003**	**0.3664**	**0.1144**	**0.4808**	**0.0977**	**0.1082**	**0.2059**	**0.0000**	**823.7666**	**823.7666**	**0.1243**	**0.0194**	**832.6467**

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					
2027	0.0550	0.5289	2.2188	4.3500e-003	0.0638	0.0100	0.0738	0.0156	9.6200e-003	0.0252	0.0000	391.3411	391.3411	0.0731	0.0146	397.5322
2028	0.4639	0.9193	4.1838	8.9500e-003	0.3647	0.0119	0.3765	0.0975	0.0117	0.1092	0.0000	801.6837	801.6837	0.1220	0.0194	810.5064
2029	0.6087	0.4226	1.8949	4.1500e-003	0.1841	6.2100e-003	0.1903	0.0493	6.1300e-003	0.0554	0.0000	370.0397	370.0397	0.0464	8.9800e-003	373.8752
Maximum	**0.6087**	**0.9193**	**4.1838**	**8.9500e-003**	**0.3647**	**0.0119**	**0.3765**	**0.0975**	**0.0117**	**0.1092**	**0.0000**	**801.6837**	**801.6837**	**0.1220**	**0.0194**	**810.5064**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**28.96**	**68.07**	**-4.04**	**5.57**	**2.68**	**87.73**	**25.36**	**1.38**	**87.38**	**50.32**	**0.00**	**4.44**	**4.44**	**2.55**	**0.00**	**4.40**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-1-2027**	**11-30-2027**	1.1166	0.3755
2	**12-1-2027**	**2-29-2028**	1.3839	0.4084
3	**3-1-2028**	**5-31-2028**	0.6621	0.2439
4	**6-1-2028**	**8-31-2028**	0.6603	0.2421
5	**9-1-2028**	**11-30-2028**	1.0504	0.4826
6	**12-1-2028**	**2-28-2029**	1.2400	0.5996
7	**3-1-2029**	**5-31-2029**	1.2627	0.6081
8	**6-1-2029**	**8-31-2029**	0.0548	0.0264
		Highest	1.3839	0.6081

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.0822	0.0271	2.3496	1.2000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	3.8496	3.8496	3.6800e-003	0.0000	3.9417
Energy	9.3000e-004	8.4600e-003	7.1100e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	457.3626	457.3626	0.0380	4.7500e-003	459.7293
Mobile	0.8607	0.8705	8.5526	0.0189	2.3710	0.0120	2.3830	0.6327	0.0111	0.6438	0.0000	1,747.7454	1,747.7454	0.1243	0.0764	1,773.6281
Waste						0.0000	0.0000		0.0000	0.0000	26.4660	0.0000	26.4660	1.5641	0.0000	65.5683
Water						0.0000	0.0000		0.0000	0.0000	5.8171	64.9974	70.8145	0.6030	0.0148	90.2908
Total	**1.9438**	**0.9060**	**10.9093**	**0.0190**	**2.3710**	**0.0257**	**2.3967**	**0.6327**	**0.0248**	**0.6575**	**32.2831**	**2,273.9551**	**2,306.2382**	**2.3330**	**0.0960**	**2,393.1582**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.0822	0.0271	2.3496	1.2000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	3.8496	3.8496	3.6800e-003	0.0000	3.9417
Energy	9.3000e-004	8.4600e-003	7.1100e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	457.3626	457.3626	0.0380	4.7500e-003	459.7293
Mobile	0.8607	0.8705	8.5526	0.0189	2.3710	0.0120	2.3830	0.6327	0.0111	0.6438	0.0000	1,747.7454	1,747.7454	0.1243	0.0764	1,773.6281
Waste						0.0000	0.0000		0.0000	0.0000	26.4660	0.0000	26.4660	1.5641	0.0000	65.5683
Water						0.0000	0.0000		0.0000	0.0000	5.8171	64.9974	70.8145	0.6030	0.0148	90.2908
Total	**1.9438**	**0.9060**	**10.9093**	**0.0190**	**2.3710**	**0.0257**	**2.3967**	**0.6327**	**0.0248**	**0.6575**	**32.2831**	**2,273.9551**	**2,306.2382**	**2.3330**	**0.0960**	**2,393.1582**

	ROG	NOx	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	Demolition	Demolition	9/1/2027	10/13/2027	5	31	
2	Site Preparation	Site Preparation	10/14/2027	11/3/2027	5	15	
3	Grading	Grading	11/4/2027	12/16/2027	5	31	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Utilities and Trenching	Grading	12/17/2027	1/28/2028	5	31	
5	Building Construction	Building Construction	1/29/2028	6/4/2029	5	351	
6	Paving	Paving	1/29/2028	2/9/2028	5	8	
7	Architectural Coating	Architectural Coating	10/2/2028	6/4/2029	5	176	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0.81

Residential Indoor: 461,700; Residential Outdoor: 153,900; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area: 7,944 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Excavators	4	8.00	158	0.38
Grading	Generator Sets	2	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Welders	4	8.00	46	0.45
Utilities and Trenching	Air Compressors	2	8.00	78	0.48
Utilities and Trenching	Concrete/Industrial Saws	2	8.00	81	0.73
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30
Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Utilities and Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Generator Sets	2	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	2	8.00	13	0.30

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
Demolition	16	40.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	27	68.00	0.00	3,160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	28	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	228.00	50.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	11	46.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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					0.0160	0.0000	0.0160	2.4100e-003	0.0000	2.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0479	0.4061	0.6714	1.1800e-003		0.0174	0.0174		0.0165	0.0165	0.0000	103.2747	103.2747	0.0237	0.0000	103.8678
Total	**0.0479**	**0.4061**	**0.6714**	**1.1800e-003**	**0.0160**	**0.0174**	**0.0334**	**2.4100e-003**	**0.0165**	**0.0189**	**0.0000**	**103.2747**	**103.2747**	**0.0237**	**0.0000**	**103.8678**

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	1.5000e-004	9.8600e-003	2.7100e-003	4.0000e-005	1.2600e-003	6.0000e-005	1.3300e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9889	3.9889	2.4000e-004	6.3000e-004	4.1840
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	1.5300e-003	1.0400e-003	0.0162	5.0000e-005	6.7900e-003	3.0000e-005	6.8300e-003	1.8000e-003	3.0000e-005	1.8400e-003	0.0000	4.7855	4.7855	1.0000e-004	1.1000e-004	4.8205
Total	**1.6800e-003**	**0.0109**	**0.0189**	**9.0000e-005**	**8.0500e-003**	**9.0000e-005**	**8.1600e-003**	**2.1500e-003**	**9.0000e-005**	**2.2500e-003**	**0.0000**	**8.7744**	**8.7744**	**3.4000e-004**	**7.4000e-004**	**9.0045**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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					7.1800e-003	0.0000	7.1800e-003	1.0900e-003	0.0000	1.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.0990	0.7810	1.1800e-003		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	103.2746	103.2746	0.0237	0.0000	103.8677
Total	**0.0146**	**0.0990**	**0.7810**	**1.1800e-003**	**7.1800e-003**	**1.8200e-003**	**9.0000e-003**	**1.0900e-003**	**1.8200e-003**	**2.9100e-003**	**0.0000**	**103.2746**	**103.2746**	**0.0237**	**0.0000**	**103.8677**

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	1.5000e-004	9.8600e-003	2.7100e-003	4.0000e-005	1.2600e-003	6.0000e-005	1.3300e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9889	3.9889	2.4000e-004	6.3000e-004	4.1840
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	1.5300e-003	1.0400e-003	0.0162	5.0000e-005	6.7900e-003	3.0000e-005	6.8300e-003	1.8000e-003	3.0000e-005	1.8400e-003	0.0000	4.7855	4.7855	1.0000e-004	1.1000e-004	4.8205
Total	**1.6800e-003**	**0.0109**	**0.0189**	**9.0000e-005**	**8.0500e-003**	**9.0000e-005**	**8.1600e-003**	**2.1500e-003**	**9.0000e-005**	**2.2500e-003**	**0.0000**	**8.7744**	**8.7744**	**3.4000e-004**	**7.4000e-004**	**9.0045**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7100e-003	0.0442	0.0385	5.0000e-005		2.9400e-003	2.9400e-003		2.7100e-003	2.7100e-003	0.0000	4.4544	4.4544	1.4400e-003	0.0000	4.4905
Total	**4.7100e-003**	**0.0442**	**0.0385**	**5.0000e-005**	**2.3900e-003**	**2.9400e-003**	**5.3300e-003**	**2.6000e-004**	**2.7100e-003**	**2.9700e-003**	**0.0000**	**4.4544**	**4.4544**	**1.4400e-003**	**0.0000**	**4.4905**

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	9.0000e-005	6.0000e-005	9.8000e-004	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2895	0.2895	1.0000e-005	1.0000e-005	0.2916
Total	**9.0000e-005**	**6.0000e-005**	**9.8000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.2895**	**0.2895**	**1.0000e-005**	**1.0000e-005**	**0.2916**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

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					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2000e-004	2.6800e-003	0.0382	5.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.4544	4.4544	1.4400e-003	0.0000	4.4905
Total	**6.2000e-004**	**2.6800e-003**	**0.0382**	**5.0000e-005**	**1.0700e-003**	**8.0000e-005**	**1.1500e-003**	**1.2000e-004**	**8.0000e-005**	**2.0000e-004**	**0.0000**	**4.4544**	**4.4544**	**1.4400e-003**	**0.0000**	**4.4905**

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	9.0000e-005	6.0000e-005	9.8000e-004	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2895	0.2895	1.0000e-005	1.0000e-005	0.2916
Total	**9.0000e-005**	**6.0000e-005**	**9.8000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.2895**	**0.2895**	**1.0000e-005**	**1.0000e-005**	**0.2916**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

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					6.0200e-003	0.0000	6.0200e-003	7.7000e-004	0.0000	7.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0822	0.6736	1.0508	1.7800e-003		0.0269	0.0269		0.0258	0.0258	0.0000	152.4439	152.4439	0.0308	0.0000	153.2133
Total	**0.0822**	**0.6736**	**1.0508**	**1.7800e-003**	**6.0200e-003**	**0.0269**	**0.0330**	**7.7000e-004**	**0.0258**	**0.0266**	**0.0000**	**152.4439**	**152.4439**	**0.0308**	**0.0000**	**153.2133**

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	3.2100e-003	0.2120	0.0582	8.6000e-004	0.0272	1.3000e-003	0.0285	7.4700e-003	1.2400e-003	8.7100e-003	0.0000	85.7467	85.7467	5.2600e-003	0.0136	89.9421
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	2.5900e-003	1.7600e-003	0.0275	9.0000e-005	0.0116	6.0000e-005	0.0116	3.0700e-003	5.0000e-005	3.1200e-003	0.0000	8.1354	8.1354	1.7000e-004	1.9000e-004	8.1948
Total	**5.8000e-003**	**0.2138**	**0.0858**	**9.5000e-004**	**0.0387**	**1.3600e-003**	**0.0401**	**0.0105**	**1.2900e-003**	**0.0118**	**0.0000**	**93.8820**	**93.8820**	**5.4300e-003**	**0.0138**	**98.1370**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

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					2.7100e-003	0.0000	2.7100e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1563	0.9023	1.4200e-003		5.6600e-003	5.6600e-003		5.3500e-003	5.3500e-003	0.0000	123.2527	123.2527	0.0290	0.0000	123.9766
Total	**0.0237**	**0.1563**	**0.9023**	**1.4200e-003**	**2.7100e-003**	**5.6600e-003**	**8.3700e-003**	**3.5000e-004**	**5.3500e-003**	**5.7000e-003**	**0.0000**	**123.2527**	**123.2527**	**0.0290**	**0.0000**	**123.9766**

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	3.2100e-003	0.2120	0.0582	8.6000e-004	0.0272	1.3000e-003	0.0285	7.4700e-003	1.2400e-003	8.7100e-003	0.0000	85.7467	85.7467	5.2600e-003	0.0136	89.9421
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	2.5900e-003	1.7600e-003	0.0275	9.0000e-005	0.0116	6.0000e-005	0.0116	3.0700e-003	5.0000e-005	3.1200e-003	0.0000	8.1354	8.1354	1.7000e-004	1.9000e-004	8.1948
Total	**5.8000e-003**	**0.2138**	**0.0858**	**9.5000e-004**	**0.0387**	**1.3600e-003**	**0.0401**	**0.0105**	**1.2900e-003**	**0.0118**	**0.0000**	**93.8820**	**93.8820**	**5.4300e-003**	**0.0138**	**98.1370**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2027

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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0265	0.2259	0.3179	6.4000e-004		9.5300e-003	9.5300e-003		9.0200e-003	9.0200e-003	0.0000	55.4262	55.4262	0.0133	0.0000	55.7579
Total	**0.0265**	**0.2259**	**0.3179**	**6.4000e-004**	**3.1800e-003**	**9.5300e-003**	**0.0127**	**3.4000e-004**	**9.0200e-003**	**9.3600e-003**	**0.0000**	**55.4262**	**55.4262**	**0.0133**	**0.0000**	**55.7579**

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	9.5000e-004	6.4000e-004	0.0101	3.0000e-005	4.2200e-003	2.0000e-005	4.2400e-003	1.1200e-003	2.0000e-005	1.1400e-003	0.0000	2.9717	2.9717	6.0000e-005	7.0000e-005	2.9934
Total	**9.5000e-004**	**6.4000e-004**	**0.0101**	**3.0000e-005**	**4.2200e-003**	**2.0000e-005**	**4.2400e-003**	**1.1200e-003**	**2.0000e-005**	**1.1400e-003**	**0.0000**	**2.9717**	**2.9717**	**6.0000e-005**	**7.0000e-005**	**2.9934**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2027

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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5900e-003	0.0456	0.3817	6.2000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	54.4419	54.4419	0.0132	0.0000	54.7711
Total	**7.5900e-003**	**0.0456**	**0.3817**	**6.2000e-004**	**1.4300e-003**	**9.7000e-004**	**2.4000e-003**	**1.5000e-004**	**9.7000e-004**	**1.1200e-003**	**0.0000**	**54.4419**	**54.4419**	**0.0132**	**0.0000**	**54.7711**

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	9.5000e-004	6.4000e-004	0.0101	3.0000e-005	4.2200e-003	2.0000e-005	4.2400e-003	1.1200e-003	2.0000e-005	1.1400e-003	0.0000	2.9717	2.9717	6.0000e-005	7.0000e-005	2.9934
Total	**9.5000e-004**	**6.4000e-004**	**0.0101**	**3.0000e-005**	**4.2200e-003**	**2.0000e-005**	**4.2400e-003**	**1.1200e-003**	**2.0000e-005**	**1.1400e-003**	**0.0000**	**2.9717**	**2.9717**	**6.0000e-005**	**7.0000e-005**	**2.9934**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2028

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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0482	0.4107	0.5780	1.1600e-003		0.0173	0.0173		0.0164	0.0164	0.0000	100.7749	100.7749	0.0241	0.0000	101.3781
Total	**0.0482**	**0.4107**	**0.5780**	**1.1600e-003**	**3.1800e-003**	**0.0173**	**0.0205**	**3.4000e-004**	**0.0164**	**0.0167**	**0.0000**	**100.7749**	**100.7749**	**0.0241**	**0.0000**	**101.3781**

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	1.6300e-003	1.0800e-003	0.0174	6.0000e-005	7.6700e-003	4.0000e-005	7.7100e-003	2.0400e-003	3.0000e-005	2.0700e-003	0.0000	5.2666	5.2666	1.0000e-004	1.2000e-004	5.3042
Total	**1.6300e-003**	**1.0800e-003**	**0.0174**	**6.0000e-005**	**7.6700e-003**	**4.0000e-005**	**7.7100e-003**	**2.0400e-003**	**3.0000e-005**	**2.0700e-003**	**0.0000**	**5.2666**	**5.2666**	**1.0000e-004**	**1.2000e-004**	**5.3042**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2028

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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.0829	0.6940	1.1300e-003		1.7600e-003	1.7600e-003		1.7600e-003	1.7600e-003	0.0000	98.9853	98.9853	0.0239	0.0000	99.5838
Total	**0.0138**	**0.0829**	**0.6940**	**1.1300e-003**	**1.4300e-003**	**1.7600e-003**	**3.1900e-003**	**1.5000e-004**	**1.7600e-003**	**1.9100e-003**	**0.0000**	**98.9853**	**98.9853**	**0.0239**	**0.0000**	**99.5838**

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	1.6300e-003	1.0800e-003	0.0174	6.0000e-005	7.6700e-003	4.0000e-005	7.7100e-003	2.0400e-003	3.0000e-005	2.0700e-003	0.0000	5.2666	5.2666	1.0000e-004	1.2000e-004	5.3042
Total	**1.6300e-003**	**1.0800e-003**	**0.0174**	**6.0000e-005**	**7.6700e-003**	**4.0000e-005**	**7.7100e-003**	**2.0400e-003**	**3.0000e-005**	**2.0700e-003**	**0.0000**	**5.2666**	**5.2666**	**1.0000e-004**	**1.2000e-004**	**5.3042**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2028

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	0.2049	1.8746	2.0748	3.9400e-003		0.0808	0.0808		0.0759	0.0759	0.0000	340.6298	340.6298	0.0858	0.0000	342.7744
Total	**0.2049**	**1.8746**	**2.0748**	**3.9400e-003**		**0.0808**	**0.0808**		**0.0759**	**0.0759**	**0.0000**	**340.6298**	**340.6298**	**0.0858**	**0.0000**	**342.7744**

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	5.9600e-003	0.2360	0.0841	1.0200e-003	0.0378	1.1600e-003	0.0390	0.0109	1.1100e-003	0.0120	0.0000	99.5887	99.5887	3.7400e-003	0.0144	103.9667
Worker	0.0636	0.0421	0.6792	2.2400e-003	0.2998	1.3900e-003	0.3012	0.0796	1.2800e-003	0.0809	0.0000	205.8476	205.8476	3.9600e-003	4.6000e-003	207.3175
Total	**0.0696**	**0.2781**	**0.7633**	**3.2600e-003**	**0.3376**	**2.5500e-003**	**0.3402**	**0.0906**	**2.3900e-003**	**0.0929**	**0.0000**	**305.4363**	**305.4363**	**7.7000e-003**	**0.0190**	**311.2843**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2028

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	0.0516	0.5004	2.2978	3.7700e-003		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	329.6308	329.6308	0.0846	0.0000	331.7469
Total	**0.0516**	**0.5004**	**2.2978**	**3.7700e-003**		**5.8900e-003**	**5.8900e-003**		**5.8900e-003**	**5.8900e-003**	**0.0000**	**329.6308**	**329.6308**	**0.0846**	**0.0000**	**331.7469**

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	5.9600e-003	0.2360	0.0841	1.0200e-003	0.0378	1.1600e-003	0.0390	0.0109	1.1100e-003	0.0120	0.0000	99.5887	99.5887	3.7400e-003	0.0144	103.9667
Worker	0.0636	0.0421	0.6792	2.2400e-003	0.2998	1.3900e-003	0.3012	0.0796	1.2800e-003	0.0809	0.0000	205.8476	205.8476	3.9600e-003	4.6000e-003	207.3175
Total	**0.0696**	**0.2781**	**0.7633**	**3.2600e-003**	**0.3376**	**2.5500e-003**	**0.3402**	**0.0906**	**2.3900e-003**	**0.0929**	**0.0000**	**305.4363**	**305.4363**	**7.7000e-003**	**0.0190**	**311.2843**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0948	0.8670	0.9596	1.8200e-003		0.0374	0.0374		0.0351	0.0351	0.0000	157.5413	157.5413	0.0397	0.0000	158.5332
Total	**0.0948**	**0.8670**	**0.9596**	**1.8200e-003**		**0.0374**	**0.0374**		**0.0351**	**0.0351**	**0.0000**	**157.5413**	**157.5413**	**0.0397**	**0.0000**	**158.5332**

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	2.7100e-003	0.1084	0.0386	4.6000e-004	0.0175	5.3000e-004	0.0180	5.0500e-003	5.1000e-004	5.5600e-003	0.0000	45.1974	45.1974	1.7400e-003	6.5300e-003	47.1860
Worker	0.0278	0.0180	0.2997	1.0100e-003	0.1387	6.0000e-004	0.1393	0.0368	5.5000e-004	0.0374	0.0000	93.0054	93.0054	1.6900e-003	2.0400e-003	93.6557
Total	**0.0305**	**0.1264**	**0.3383**	**1.4700e-003**	**0.1562**	**1.1300e-003**	**0.1573**	**0.0419**	**1.0600e-003**	**0.0429**	**0.0000**	**138.2028**	**138.2028**	**3.4300e-003**	**8.5700e-003**	**140.8417**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0239	0.2314	1.0627	1.7500e-003		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	152.4543	152.4543	0.0392	0.0000	153.4329
Total	**0.0239**	**0.2314**	**1.0627**	**1.7500e-003**		**2.7200e-003**	**2.7200e-003**		**2.7200e-003**	**2.7200e-003**	**0.0000**	**152.4543**	**152.4543**	**0.0392**	**0.0000**	**153.4329**

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	2.7100e-003	0.1084	0.0386	4.6000e-004	0.0175	5.3000e-004	0.0180	5.0500e-003	5.1000e-004	5.5600e-003	0.0000	45.1974	45.1974	1.7400e-003	6.5300e-003	47.1860
Worker	0.0278	0.0180	0.2997	1.0100e-003	0.1387	6.0000e-004	0.1393	0.0368	5.5000e-004	0.0374	0.0000	93.0054	93.0054	1.6900e-003	2.0400e-003	93.6557
Total	**0.0305**	**0.1264**	**0.3383**	**1.4700e-003**	**0.1562**	**1.1300e-003**	**0.1573**	**0.0419**	**1.0600e-003**	**0.0429**	**0.0000**	**138.2028**	**138.2028**	**3.4300e-003**	**8.5700e-003**	**140.8417**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2028

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	7.8300e-003	0.0701	0.1069	1.7000e-004		3.2900e-003	3.2900e-003		3.1000e-003	3.1000e-003	0.0000	14.9241	14.9241	3.4000e-003	0.0000	15.0091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.8300e-003**	**0.0701**	**0.1069**	**1.7000e-004**		**3.2900e-003**	**3.2900e-003**		**3.1000e-003**	**3.1000e-003**	**0.0000**	**14.9241**	**14.9241**	**3.4000e-003**	**0.0000**	**15.0091**

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	3.3000e-004	2.2000e-004	3.4800e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.1000e-004	0.0000	1.0533	1.0533	2.0000e-005	2.0000e-005	1.0608
Total	**3.3000e-004**	**2.2000e-004**	**3.4800e-003**	**1.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.0533**	**1.0533**	**2.0000e-005**	**2.0000e-005**	**1.0608**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2028

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	2.1500e-003	0.0185	0.1170	1.7000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	14.5662	14.5662	3.3600e-003	0.0000	14.6502
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1500e-003**	**0.0185**	**0.1170**	**1.7000e-004**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**	**0.0000**	**14.5662**	**14.5662**	**3.3600e-003**	**0.0000**	**14.6502**

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	3.3000e-004	2.2000e-004	3.4800e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.1000e-004	0.0000	1.0533	1.0533	2.0000e-005	2.0000e-005	1.0608
Total	**3.3000e-004**	**2.2000e-004**	**3.4800e-003**	**1.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.0533**	**1.0533**	**2.0000e-005**	**2.0000e-005**	**1.0608**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2028

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	0.3148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0364	0.2398	0.3109	5.6000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	44.4337	44.4337	2.9600e-003	0.0000	44.5076
Total	**0.3511**	**0.2398**	**0.3109**	**5.6000e-004**		**0.0103**	**0.0103**		**0.0103**	**0.0103**	**0.0000**	**44.4337**	**44.4337**	**2.9600e-003**	**0.0000**	**44.5076**

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	3.4800e-003	2.3000e-003	0.0371	1.2000e-004	0.0164	8.0000e-005	0.0165	4.3500e-003	7.0000e-005	4.4200e-003	0.0000	11.2479	11.2479	2.2000e-004	2.5000e-004	11.3282
Total	**3.4800e-003**	**2.3000e-003**	**0.0371**	**1.2000e-004**	**0.0164**	**8.0000e-005**	**0.0165**	**4.3500e-003**	**7.0000e-005**	**4.4200e-003**	**0.0000**	**11.2479**	**11.2479**	**2.2000e-004**	**2.5000e-004**	**11.3282**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2028

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	0.3148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5800e-003	0.0358	0.2538	4.2000e-004		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	35.4973	35.4973	2.0300e-003	0.0000	35.5480
Total	**0.3213**	**0.0358**	**0.2538**	**4.2000e-004**		**1.3100e-003**	**1.3100e-003**		**1.3100e-003**	**1.3100e-003**	**0.0000**	**35.4973**	**35.4973**	**2.0300e-003**	**0.0000**	**35.5480**

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	3.4800e-003	2.3000e-003	0.0371	1.2000e-004	0.0164	8.0000e-005	0.0165	4.3500e-003	7.0000e-005	4.4200e-003	0.0000	11.2479	11.2479	2.2000e-004	2.5000e-004	11.3282
Total	**3.4800e-003**	**2.3000e-003**	**0.0371**	**1.2000e-004**	**0.0164**	**8.0000e-005**	**0.0165**	**4.3500e-003**	**7.0000e-005**	**4.4200e-003**	**0.0000**	**11.2479**	**11.2479**	**2.2000e-004**	**2.5000e-004**	**11.3282**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	0.5375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0621	0.4095	0.5310	9.6000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	75.8791	75.8791	5.0500e-003	0.0000	76.0054
Total	**0.5996**	**0.4095**	**0.5310**	**9.6000e-004**		**0.0176**	**0.0176**		**0.0176**	**0.0176**	**0.0000**	**75.8791**	**75.8791**	**5.0500e-003**	**0.0000**	**76.0054**

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	5.6000e-003	3.6300e-003	0.0605	2.0000e-004	0.0280	1.2000e-004	0.0281	7.4300e-003	1.1000e-004	7.5400e-003	0.0000	18.7642	18.7642	3.4000e-004	4.1000e-004	18.8955
Total	**5.6000e-003**	**3.6300e-003**	**0.0605**	**2.0000e-004**	**0.0280**	**1.2000e-004**	**0.0281**	**7.4300e-003**	**1.1000e-004**	**7.5400e-003**	**0.0000**	**18.7642**	**18.7642**	**3.4000e-004**	**4.1000e-004**	**18.8955**

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3.8 Architectural Coating - 2029

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	0.5375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0612	0.4335	7.2000e-004		2.2400e-003	2.2400e-003		2.2400e-003	2.2400e-003	0.0000	60.6184	60.6184	3.4700e-003	0.0000	60.7051
Total	**0.5487**	**0.0612**	**0.4335**	**7.2000e-004**		**2.2400e-003**	**2.2400e-003**		**2.2400e-003**	**2.2400e-003**	**0.0000**	**60.6184**	**60.6184**	**3.4700e-003**	**0.0000**	**60.7051**

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	5.6000e-003	3.6300e-003	0.0605	2.0000e-004	0.0280	1.2000e-004	0.0281	7.4300e-003	1.1000e-004	7.5400e-003	0.0000	18.7642	18.7642	3.4000e-004	4.1000e-004	18.8955
Total	**5.6000e-003**	**3.6300e-003**	**0.0605**	**2.0000e-004**	**0.0280**	**1.2000e-004**	**0.0281**	**7.4300e-003**	**1.1000e-004**	**7.5400e-003**	**0.0000**	**18.7642**	**18.7642**	**3.4000e-004**	**4.1000e-004**	**18.8955**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.8607	0.8705	8.5526	0.0189	2.3710	0.0120	2.3830	0.6327	0.0111	0.6438	0.0000	1,747.7454	1,747.7454	0.1243	0.0764	1,773.6281
Unmitigated	0.8607	0.8705	8.5526	0.0189	2.3710	0.0120	2.3830	0.6327	0.0111	0.6438	0.0000	1,747.7454	1,747.7454	0.1243	0.0764	1,773.6281

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	893.76	893.76	893.76	2,768,547	2,768,547
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	616.50	616.50	616.50	2,042,095	2,042,095
Strip Mall	452.10	452.10	452.10	1,497,536	1,497,536
Total	1,962.36	1,962.36	1,962.36	6,308,177	6,308,177

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
General Office Building	9.10	9.10	9.10	33.00	48.00	19.00	100	0	0

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	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
Strip Mall	9.10	9.10	9.10	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Strip Mall	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	448.1531	448.1531	0.0378	4.5800e-003	450.4651
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	448.1531	448.1531	0.0378	4.5800e-003	450.4651
NaturalGas Mitigated	9.3000e-004	8.4600e-003	7.1100e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2095	9.2095	1.8000e-004	1.7000e-004	9.2643
NaturalGas Unmitigated	9.3000e-004	8.4600e-003	7.1100e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.2095	9.2095	1.8000e-004	1.7000e-004	9.2643

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	154650	8.3000e-004	7.5800e-003	6.3700e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	8.2527	8.2527	1.6000e-004	1.5000e-004	8.3018
Strip Mall	17930	1.0000e-004	8.8000e-004	7.4000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9568	0.9568	2.0000e-005	2.0000e-005	0.9625
Total		**9.3000e-004**	**8.4600e-003**	**7.1100e-003**	**6.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**	**0.0000**	**9.2095**	**9.2095**	**1.8000e-004**	**1.7000e-004**	**9.2643**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	154650	8.3000e-004	7.5800e-003	6.3700e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	8.2527	8.2527	1.6000e-004	1.5000e-004	8.3018
Strip Mall	17930	1.0000e-004	8.8000e-004	7.4000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9568	0.9568	2.0000e-005	2.0000e-005	0.9625
Total		**9.3000e-004**	**8.4600e-003**	**7.1100e-003**	**6.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**	**0.0000**	**9.2095**	**9.2095**	**1.8000e-004**	**1.7000e-004**	**9.2643**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.47548e+006	261.6697	0.0221	2.6800e-003	263.0196
Enclosed Parking with Elevator	720256	127.7342	0.0108	1.3100e-003	128.3932
General Office Building	187500	33.2523	2.8100e-003	3.4000e-004	33.4238
Strip Mall	143770	25.4970	2.1500e-003	2.6000e-004	25.6285
Total		**448.1531**	**0.0378**	**4.5900e-003**	**450.4651**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.47548e+006	261.6697	0.0221	2.6800e-003	263.0196
Enclosed Parking with Elevator	720256	127.7342	0.0108	1.3100e-003	128.3932
General Office Building	187500	33.2523	2.8100e-003	3.4000e-004	33.4238
Strip Mall	143770	25.4970	2.1500e-003	2.6000e-004	25.6285
Total		**448.1531**	**0.0378**	**4.5900e-003**	**450.4651**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	1.0822	0.0271	2.3496	1.2000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	3.8496	3.8496	3.6800e-003	0.0000	3.9417
Unmitigated	1.0822	0.0271	2.3496	1.2000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	3.8496	3.8496	3.6800e-003	0.0000	3.9417

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	0.0852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9264					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	0.0706	0.0271	2.3496	1.2000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	3.8496	3.8496	3.6800e-003	0.0000	3.9417
Total	**1.0822**	**0.0271**	**2.3496**	**1.2000e-004**		**0.0131**	**0.0131**		**0.0131**	**0.0131**	**0.0000**	**3.8496**	**3.8496**	**3.6800e-003**	**0.0000**	**3.9417**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9264					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	0.0706	0.0271	2.3496	1.2000e-004		0.0131	0.0131		0.0131	0.0131	0.0000	3.8496	3.8496	3.6800e-003	0.0000	3.9417
Total	**1.0822**	**0.0271**	**2.3496**	**1.2000e-004**		**0.0131**	**0.0131**		**0.0131**	**0.0131**	**0.0000**	**3.8496**	**3.8496**	**3.6800e-003**	**0.0000**	**3.9417**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	70.8145	0.6030	0.0148	90.2908
Unmitigated	70.8145	0.6030	0.0148	90.2908

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.8551 / 9.36518	57.4688	0.4885	0.0120	73.2484
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.66601 / 1.634	10.2217	0.0877	2.1500e-003	13.0531
Strip Mall	0.814798 / 0.499392	3.1240	0.0268	6.6000e-004	3.9894
Total		**70.8145**	**0.6030**	**0.0148**	**90.2908**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.8551 / 9.36518	57.4688	0.4885	0.0120	73.2484
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.66601 / 1.634	10.2217	0.0877	2.1500e-003	13.0531
Strip Mall	0.814798 / 0.499392	3.1240	0.0268	6.6000e-004	3.9894
Total		**70.8145**	**0.6030**	**0.0148**	**90.2908**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	26.4660	1.5641	0.0000	65.5683
Unmitigated	26.4660	1.5641	0.0000	65.5683

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	104.88	21.2897	1.2582	0.0000	52.7443
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	13.95	2.8317	0.1674	0.0000	7.0155
Strip Mall	11.55	2.3446	0.1386	0.0000	5.8085
Total		**26.4660**	**1.5641**	**0.0000**	**65.5683**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	104.88	21.2897	1.2582	0.0000	52.7443
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	13.95	2.8317	0.1674	0.0000	7.0155
Strip Mall	11.55	2.3446	0.1386	0.0000	5.8085
Total		**26.4660**	**1.5641**	**0.0000**	**65.5683**

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

Boilers

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

User Defined Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation Phase 2 - Rebuild

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15.00	1000sqft	0.34	15,000.00	0
Enclosed Parking with Elevator	331.00	Space	0.81	132,400.00	0
Apartments Mid Rise	228.00	Dwelling Unit	1.00	228,000.00	652
Strip Mall	11.00	1000sqft	0.25	11,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Trips and VMT - See assumptiosn

Demolition -

Grading - See Assumptions

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	176.00
tblConstructionPhase	NumDays	220.00	351.00
tblConstructionPhase	NumDays	20.00	31.00
tblConstructionPhase	NumDays	6.00	31.00
tblConstructionPhase	NumDays	6.00	31.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	3.00	15.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	193.80	0.00
tblFireplaces	NumberNoFireplace	22.80	228.00
tblFireplaces	NumberWood	11.40	0.00
tblGrading	AcresOfGrading	31.00	6.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	0.00	4.50
tblGrading	MaterialExported	0.00	50,170.00
tblLandUse	LotAcreage	2.98	0.81
tblLandUse	LotAcreage	6.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	6,271.00	3,160.00
tblVehicleTrips	CC_TL	8.40	9.10
tblVehicleTrips	CC_TL	8.40	9.10
tblVehicleTrips	CNW_TL	6.90	9.10
tblVehicleTrips	CNW_TL	6.90	9.10
tblVehicleTrips	CW_TL	16.60	9.10
tblVehicleTrips	CW_TL	16.60	9.10
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	41.10
tblVehicleTrips	ST_TR	42.04	41.10
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	41.10
tblVehicleTrips	SU_TR	20.43	41.10
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	41.10
tblVehicleTrips	WD_TR	44.32	41.10
tblWoodstoves	NumberCatalytic	11.40	0.00
tblWoodstoves	NumberNoncatalytic	11.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2027	5.6837	56.5388	73.4108	0.1759	2.9328	1.8248	4.7576	0.7407	1.7499	2.4906	0.0000	17,538.1528	17,538.1528	2.6714	0.9816	17,895.0185
2028	13.2013	41.1696	59.6432	0.1222	3.3830	1.7371	4.7788	0.9045	1.6437	2.3019	0.0000	11,712.1903	11,712.1903	2.6704	0.1788	11,782.5224
2029	13.1635	25.2059	34.4069	0.0813	3.3830	1.0122	4.3951	0.9045	0.9701	1.8746	0.0000	7,841.3297	7,841.3297	0.9625	0.1745	7,917.3822
Maximum	**13.2013**	**56.5388**	**73.4108**	**0.1759**	**3.3830**	**1.8248**	**4.7788**	**0.9045**	**1.7499**	**2.4906**	**0.0000**	**17,538.1528**	**17,538.1528**	**2.6714**	**0.9816**	**17,895.0185**

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					
2027	1.9097	23.1620	71.3325	0.1526	2.7193	0.4524	3.1717	0.7133	0.4284	1.1417	0.0000	15,462.1728	15,462.1728	2.6509	0.9816	15,815.8062
2028	11.0070	11.0334	71.2367	0.1194	3.3830	0.1794	3.4959	0.9045	0.1791	1.0159	0.0000	11,514.9361	11,514.9361	2.6499	0.1788	11,584.7563
2029	10.9693	7.4785	34.5077	0.0756	3.3830	0.1119	3.4949	0.9045	0.1105	1.0149	0.0000	7,437.1992	7,437.1992	0.9206	0.1745	7,512.2028
Maximum	**11.0070**	**23.1620**	**71.3325**	**0.1526**	**3.3830**	**0.4524**	**3.4959**	**0.9045**	**0.4284**	**1.1417**	**0.0000**	**15,462.1728**	**15,462.1728**	**2.6509**	**0.9816**	**15,815.8062**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**25.47**	**66.10**	**-5.74**	**8.39**	**2.20**	**83.74**	**27.05**	**1.08**	**83.55**	**52.41**	**0.00**	**7.22**	**7.22**	**1.32**	**0.00**	**7.13**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598
Energy	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567
Mobile	4.8971	4.3808	47.2153	0.1070	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,925.4429	10,925.4429	0.7373	0.4424	11,075.7033
Total	**11.0097**	**4.6438**	**66.0511**	**0.1083**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7091**	**0.0000**	**11,015.0171**	**11,015.0171**	**0.7709**	**0.4434**	**11,166.4198**

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	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598
Energy	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567
Mobile	4.8971	4.3808	47.2153	0.1070	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,925.4429	10,925.4429	0.7373	0.4424	11,075.7033
Total	**11.0097**	**4.6438**	**66.0511**	**0.1083**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7091**	**0.0000**	**11,015.0171**	**11,015.0171**	**0.7709**	**0.4434**	**11,166.4198**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	9/1/2027	10/13/2027	5	31	
2	Site Preparation	Site Preparation	10/14/2027	11/3/2027	5	15	
3	Grading	Grading	11/4/2027	12/16/2027	5	31	
4	Utilities and Trenching	Grading	12/17/2027	1/28/2028	5	31	
5	Building Construction	Building Construction	1/29/2028	6/4/2029	5	351	
6	Paving	Paving	1/29/2028	2/9/2028	5	8	
7	Architectural Coating	Architectural Coating	10/2/2028	6/4/2029	5	176	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0.81

Residential Indoor: 461,700; Residential Outdoor: 153,900; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area: 7,944 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Excavators	4	8.00	158	0.38
Grading	Generator Sets	2	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Welders	4	8.00	46	0.45
Utilities and Trenching	Air Compressors	2	8.00	78	0.48
Utilities and Trenching	Concrete/Industrial Saws	2	8.00	81	0.73
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Utilities and Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Generator Sets	2	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	2	8.00	13	0.30

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
Demolition	16	40.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	27	68.00	0.00	3,160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	28	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	228.00	50.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	11	46.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2027

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					1.0288	0.0000	1.0288	0.1558	0.0000	0.1558			0.0000			0.0000
Off-Road	3.0920	26.1995	43.3129	0.0764		1.1231	1.1231		1.0633	1.0633		7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**3.0920**	**26.1995**	**43.3129**	**0.0764**	**1.0288**	**1.1231**	**2.1519**	**0.1558**	**1.0633**	**1.2191**		**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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	9.9200e-003	0.6037	0.1739	2.5700e-003	0.0830	3.8900e-003	0.0869	0.0228	3.7300e-003	0.0265		283.5425	283.5425	0.0174	0.0451	297.4159
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
Worker	0.0988	0.0593	1.1055	3.5000e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		353.8948	353.8948	6.8200e-003	7.1700e-003	356.2024
Total	**0.1087**	**0.6630**	**1.2794**	**6.0700e-003**	**0.5301**	**6.0700e-003**	**0.5362**	**0.1413**	**5.7400e-003**	**0.1471**		**637.4373**	**637.4373**	**0.0242**	**0.0523**	**653.6182**

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					0.4630	0.0000	0.4630	0.0701	0.0000	0.0701			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**0.4630**	**0.1173**	**0.5803**	**0.0701**	**0.1173**	**0.1874**	**0.0000**	**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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	9.9200e-003	0.6037	0.1739	2.5700e-003	0.0830	3.8900e-003	0.0869	0.0228	3.7300e-003	0.0265		283.5425	283.5425	0.0174	0.0451	297.4159
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
Worker	0.0988	0.0593	1.1055	3.5000e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		353.8948	353.8948	6.8200e-003	7.1700e-003	356.2024
Total	**0.1087**	**0.6630**	**1.2794**	**6.0700e-003**	**0.5301**	**6.0700e-003**	**0.5362**	**0.1413**	**5.7400e-003**	**0.1471**		**637.4373**	**637.4373**	**0.0242**	**0.0523**	**653.6182**

3.3 Site Preparation - 2027

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					0.3182	0.0000	0.3182	0.0344	0.0000	0.0344			0.0000			0.0000
Off-Road	0.6280	5.8866	5.1373	6.7600e-003		0.3921	0.3921		0.3607	0.3607		654.6902	654.6902	0.2117		659.9837
Total	**0.6280**	**5.8866**	**5.1373**	**6.7600e-003**	**0.3182**	**0.3921**	**0.7102**	**0.0344**	**0.3607**	**0.3950**		**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

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	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
Worker	0.0124	7.4100e-003	0.1382	4.4000e-004	0.0559	2.7000e-004	0.0562	0.0148	2.5000e-004	0.0151		44.2369	44.2369	8.5000e-004	9.0000e-004	44.5253
Total	**0.0124**	**7.4100e-003**	**0.1382**	**4.4000e-004**	**0.0559**	**2.7000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**44.2369**	**44.2369**	**8.5000e-004**	**9.0000e-004**	**44.5253**

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					0.1432	0.0000	0.1432	0.0155	0.0000	0.0155			0.0000			0.0000
Off-Road	0.0825	0.3577	5.0900	6.7600e-003		0.0110	0.0110		0.0110	0.0110	0.0000	654.6902	654.6902	0.2117		659.9837
Total	**0.0825**	**0.3577**	**5.0900**	**6.7600e-003**	**0.1432**	**0.0110**	**0.1542**	**0.0155**	**0.0110**	**0.0265**	**0.0000**	**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

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	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
Worker	0.0124	7.4100e-003	0.1382	4.4000e-004	0.0559	2.7000e-004	0.0562	0.0148	2.5000e-004	0.0151		44.2369	44.2369	8.5000e-004	9.0000e-004	44.5253
Total	**0.0124**	**7.4100e-003**	**0.1382**	**4.4000e-004**	**0.0559**	**2.7000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**44.2369**	**44.2369**	**8.5000e-004**	**9.0000e-004**	**44.5253**

3.4 Grading - 2027

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					0.3883	0.0000	0.3883	0.0499	0.0000	0.0499			0.0000			0.0000
Off-Road	5.3026	43.4600	67.7932	0.1148		1.7373	1.7373		1.6664	1.6664		10,841.3331	10,841.3331	2.1885		10,896.0453
Total	**5.3026**	**43.4600**	**67.7932**	**0.1148**	**0.3883**	**1.7373**	**2.1256**	**0.0499**	**1.6664**	**1.7163**		**10,841.3331**	**10,841.3331**	**2.1885**		**10,896.0453**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

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	0.2132	12.9779	3.7383	0.0552	1.7845	0.0837	1.8682	0.4893	0.0801	0.5694		6,095.1986	6,095.1986	0.3743	0.9694	6,393.4292
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
Worker	0.1679	0.1008	1.8793	5.9500e-003	0.7601	3.7100e-003	0.7638	0.2016	3.4100e-003	0.2050		601.6212	601.6212	0.0116	0.0122	605.5441
Total	**0.3811**	**13.0788**	**5.6176**	**0.0611**	**2.5446**	**0.0874**	**2.6320**	**0.6909**	**0.0835**	**0.7744**		**6,696.8198**	**6,696.8198**	**0.3859**	**0.9816**	**6,998.9732**

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					0.1747	0.0000	0.1747	0.0225	0.0000	0.0225			0.0000			0.0000
Off-Road	1.5285	10.0832	58.2112	0.0914		0.3650	0.3650		0.3449	0.3449	0.0000	8,765.3530	8,765.3530	2.0592		8,816.8330
Total	**1.5285**	**10.0832**	**58.2112**	**0.0914**	**0.1747**	**0.3650**	**0.5397**	**0.0225**	**0.3449**	**0.3674**	**0.0000**	**8,765.3530**	**8,765.3530**	**2.0592**		**8,816.8330**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

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	0.2132	12.9779	3.7383	0.0552	1.7845	0.0837	1.8682	0.4893	0.0801	0.5694		6,095.1986	6,095.1986	0.3743	0.9694	6,393.4292
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
Worker	0.1679	0.1008	1.8793	5.9500e-003	0.7601	3.7100e-003	0.7638	0.2016	3.4100e-003	0.2050		601.6212	601.6212	0.0116	0.0122	605.5441
Total	**0.3811**	**13.0788**	**5.6176**	**0.0611**	**2.5446**	**0.0874**	**2.6320**	**0.6909**	**0.0835**	**0.7744**		**6,696.8198**	**6,696.8198**	**0.3859**	**0.9816**	**6,998.9732**

3.5 Utilities and Trenching - 2027

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					0.2053	0.0000	0.2053	0.0222	0.0000	0.0222			0.0000			0.0000
Off-Road	4.8235	41.0741	57.8045	0.1162		1.7336	1.7336		1.6404	1.6404		11,108.5318	11,108.5318	2.6594		11,175.0177
Total	**4.8235**	**41.0741**	**57.8045**	**0.1162**	**0.2053**	**1.7336**	**1.9388**	**0.0222**	**1.6404**	**1.6626**		**11,108.5318**	**11,108.5318**	**2.6594**		**11,175.0177**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2027

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	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
Worker	0.1728	0.1038	1.9346	6.1300e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		619.3160	619.3160	0.0119	0.0126	623.3542
Total	**0.1728**	**0.1038**	**1.9346**	**6.1300e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**619.3160**	**619.3160**	**0.0119**	**0.0126**	**623.3542**

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					0.0924	0.0000	0.0924	9.9700e-003	0.0000	9.9700e-003			0.0000			0.0000
Off-Road	1.3808	8.2888	69.3980	0.1135		0.1758	0.1758		0.1758	0.1758	0.0000	10,911.2776	10,911.2776	2.6390		10,977.2516
Total	**1.3808**	**8.2888**	**69.3980**	**0.1135**	**0.0924**	**0.1758**	**0.2682**	**9.9700e-003**	**0.1758**	**0.1858**	**0.0000**	**10,911.2776**	**10,911.2776**	**2.6390**		**10,977.2516**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2027

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	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
Worker	0.1728	0.1038	1.9346	6.1300e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		619.3160	619.3160	0.0119	0.0126	623.3542
Total	**0.1728**	**0.1038**	**1.9346**	**6.1300e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**619.3160**	**619.3160**	**0.0119**	**0.0126**	**623.3542**

3.5 Utilities and Trenching - 2028

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					0.2053	0.0000	0.2053	0.0222	0.0000	0.0222			0.0000			0.0000
Off-Road	4.8235	41.0741	57.8045	0.1162		1.7336	1.7336		1.6404	1.6404		11,108.5318	11,108.5318	2.6594		11,175.0177
Total	**4.8235**	**41.0741**	**57.8045**	**0.1162**	**0.2053**	**1.7336**	**1.9388**	**0.0222**	**1.6404**	**1.6626**		**11,108.5318**	**11,108.5318**	**2.6594**		**11,175.0177**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2028

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	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
Worker	0.1632	0.0956	1.8387	5.9700e-003	0.7824	3.5500e-003	0.7860	0.2075	3.2700e-003	0.2108		603.6585	603.6585	0.0110	0.0120	607.5047
Total	**0.1632**	**0.0956**	**1.8387**	**5.9700e-003**	**0.7824**	**3.5500e-003**	**0.7860**	**0.2075**	**3.2700e-003**	**0.2108**		**603.6585**	**603.6585**	**0.0110**	**0.0120**	**607.5047**

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					0.0924	0.0000	0.0924	9.9700e-003	0.0000	9.9700e-003			0.0000			0.0000
Off-Road	1.3808	8.2888	69.3980	0.1135		0.1758	0.1758		0.1758	0.1758	0.0000	10,911.2776	10,911.2776	2.6390		10,977.2516
Total	**1.3808**	**8.2888**	**69.3980**	**0.1135**	**0.0924**	**0.1758**	**0.2682**	**9.9700e-003**	**0.1758**	**0.1858**	**0.0000**	**10,911.2776**	**10,911.2776**	**2.6390**		**10,977.2516**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2028

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	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
Worker	0.1632	0.0956	1.8387	5.9700e-003	0.7824	3.5500e-003	0.7860	0.2075	3.2700e-003	0.2108		603.6585	603.6585	0.0110	0.0120	607.5047
Total	**0.1632**	**0.0956**	**1.8387**	**5.9700e-003**	**0.7824**	**3.5500e-003**	**0.7860**	**0.2075**	**3.2700e-003**	**0.2108**		**603.6585**	**603.6585**	**0.0110**	**0.0120**	**607.5047**

3.6 Building Construction - 2028

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2028

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	0.0000
Vendor	0.0508	1.8734	0.6902	8.4600e-003	0.3203	9.6200e-003	0.3299	0.0922	9.2000e-003	0.1014		914.1095	914.1095	0.0344	0.1319	954.2695
Worker	0.5317	0.3113	5.9889	0.0195	2.5485	0.0116	2.5601	0.6759	0.0107	0.6865		1,966.2020	1,966.2020	0.0357	0.0390	1,978.7296
Total	**0.5825**	**2.1848**	**6.6791**	**0.0279**	**2.8688**	**0.0212**	**2.8900**	**0.7681**	**0.0199**	**0.7880**		**2,880.3115**	**2,880.3115**	**0.0701**	**0.1709**	**2,932.9990**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2028

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	0.0000
Vendor	0.0508	1.8734	0.6902	8.4600e-003	0.3203	9.6200e-003	0.3299	0.0922	9.2000e-003	0.1014		914.1095	914.1095	0.0344	0.1319	954.2695
Worker	0.5317	0.3113	5.9889	0.0195	2.5485	0.0116	2.5601	0.6759	0.0107	0.6865		1,966.2020	1,966.2020	0.0357	0.0390	1,978.7296
Total	**0.5825**	**2.1848**	**6.6791**	**0.0279**	**2.8688**	**0.0212**	**2.8900**	**0.7681**	**0.0199**	**0.7880**		**2,880.3115**	**2,880.3115**	**0.0701**	**0.1709**	**2,932.9990**

3.6 Building Construction - 2029

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0499	1.8604	0.6855	8.3000e-003	0.3203	9.5500e-003	0.3299	0.0922	9.1400e-003	0.1014		896.9868	896.9868	0.0347	0.1295	936.4287
Worker	0.5010	0.2878	5.7120	0.0190	2.5485	0.0108	2.5593	0.6759	9.9300e-003	0.6858		1,920.7517	1,920.7517	0.0329	0.0375	1,932.7366
Total	**0.5509**	**2.1481**	**6.3975**	**0.0273**	**2.8688**	**0.0203**	**2.8891**	**0.7681**	**0.0191**	**0.7872**		**2,817.7385**	**2,817.7385**	**0.0676**	**0.1669**	**2,869.1653**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0499	1.8604	0.6855	8.3000e-003	0.3203	9.5500e-003	0.3299	0.0922	9.1400e-003	0.1014		896.9868	896.9868	0.0347	0.1295	936.4287
Worker	0.5010	0.2878	5.7120	0.0190	2.5485	0.0108	2.5593	0.6759	9.9300e-003	0.6858		1,920.7517	1,920.7517	0.0329	0.0375	1,932.7366
Total	**0.5509**	**2.1481**	**6.3975**	**0.0273**	**2.8688**	**0.0203**	**2.8891**	**0.7681**	**0.0191**	**0.7872**		**2,817.7385**	**2,817.7385**	**0.0676**	**0.1669**	**2,869.1653**

3.7 Paving - 2028

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	1.9577	17.5197	26.7249	0.0434		0.8226	0.8226		0.7758	0.7758		4,112.7530	4,112.7530	0.9364		4,136.1626
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9577**	**17.5197**	**26.7249**	**0.0434**		**0.8226**	**0.8226**		**0.7758**	**0.7758**		**4,112.7530**	**4,112.7530**	**0.9364**		**4,136.1626**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2028

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	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
Worker	0.0816	0.0478	0.9194	2.9900e-003	0.3912	1.7800e-003	0.3930	0.1038	1.6300e-003	0.1054		301.8293	301.8293	5.4800e-003	5.9900e-003	303.7524
Total	**0.0816**	**0.0478**	**0.9194**	**2.9900e-003**	**0.3912**	**1.7800e-003**	**0.3930**	**0.1038**	**1.6300e-003**	**0.1054**		**301.8293**	**301.8293**	**5.4800e-003**	**5.9900e-003**	**303.7524**

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	0.5366	4.6309	29.2507	0.0420		0.0632	0.0632		0.0632	0.0632	0.0000	4,014.1259	4,014.1259	0.9262		4,037.2796
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5366**	**4.6309**	**29.2507**	**0.0420**		**0.0632**	**0.0632**		**0.0632**	**0.0632**	**0.0000**	**4,014.1259**	**4,014.1259**	**0.9262**		**4,037.2796**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2028

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	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
Worker	0.0816	0.0478	0.9194	2.9900e-003	0.3912	1.7800e-003	0.3930	0.1038	1.6300e-003	0.1054		301.8293	301.8293	5.4800e-003	5.9900e-003	303.7524
Total	**0.0816**	**0.0478**	**0.9194**	**2.9900e-003**	**0.3912**	**1.7800e-003**	**0.3930**	**0.1038**	**1.6300e-003**	**0.1054**		**301.8293**	**301.8293**	**5.4800e-003**	**5.9900e-003**	**303.7524**

3.8 Architectural Coating - 2028

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1195	7.3784	9.5670	0.0173		0.3164	0.3164		0.3164	0.3164		1,507.0701	1,507.0701	0.1003		1,509.5778
Total	**10.8041**	**7.3784**	**9.5670**	**0.0173**		**0.3164**	**0.3164**		**0.3164**	**0.3164**		**1,507.0701**	**1,507.0701**	**0.1003**		**1,509.5778**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2028

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	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
Worker	0.1073	0.0628	1.2083	3.9200e-003	0.5142	2.3400e-003	0.5165	0.1364	2.1500e-003	0.1385		396.6899	396.6899	7.2000e-003	7.8800e-003	399.2174
Total	**0.1073**	**0.0628**	**1.2083**	**3.9200e-003**	**0.5142**	**2.3400e-003**	**0.5165**	**0.1364**	**2.1500e-003**	**0.1385**		**396.6899**	**396.6899**	**7.2000e-003**	**7.8800e-003**	**399.2174**

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.1023	7.8099	0.0130		0.0403	0.0403		0.0403	0.0403	0.0000	1,203.9722	1,203.9722	0.0688		1,205.6932
Total	**9.8870**	**1.1023**	**7.8099**	**0.0130**		**0.0403**	**0.0403**		**0.0403**	**0.0403**	**0.0000**	**1,203.9722**	**1,203.9722**	**0.0688**		**1,205.6932**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2028

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	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
Worker	0.1073	0.0628	1.2083	3.9200e-003	0.5142	2.3400e-003	0.5165	0.1364	2.1500e-003	0.1385		396.6899	396.6899	7.2000e-003	7.8800e-003	399.2174
Total	**0.1073**	**0.0628**	**1.2083**	**3.9200e-003**	**0.5142**	**2.3400e-003**	**0.5165**	**0.1364**	**2.1500e-003**	**0.1385**		**396.6899**	**396.6899**	**7.2000e-003**	**7.8800e-003**	**399.2174**

3.8 Architectural Coating - 2029

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1195	7.3784	9.5670	0.0173		0.3164	0.3164		0.3164	0.3164		1,507.0701	1,507.0701	0.1003		1,509.5778
Total	**10.8041**	**7.3784**	**9.5670**	**0.0173**		**0.3164**	**0.3164**		**0.3164**	**0.3164**		**1,507.0701**	**1,507.0701**	**0.1003**		**1,509.5778**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1011	0.0581	1.1524	3.8300e-003	0.5142	2.1800e-003	0.5164	0.1364	2.0000e-003	0.1384		387.5201	387.5201	6.6400e-003	7.5600e-003	389.9381
Total	**0.1011**	**0.0581**	**1.1524**	**3.8300e-003**	**0.5142**	**2.1800e-003**	**0.5164**	**0.1364**	**2.0000e-003**	**0.1384**		**387.5201**	**387.5201**	**6.6400e-003**	**7.5600e-003**	**389.9381**

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.1023	7.8099	0.0130		0.0403	0.0403		0.0403	0.0403	0.0000	1,203.9722	1,203.9722	0.0688		1,205.6932
Total	**9.8870**	**1.1023**	**7.8099**	**0.0130**		**0.0403**	**0.0403**		**0.0403**	**0.0403**	**0.0000**	**1,203.9722**	**1,203.9722**	**0.0688**		**1,205.6932**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1011	0.0581	1.1524	3.8300e-003	0.5142	2.1800e-003	0.5164	0.1364	2.0000e-003	0.1384		387.5201	387.5201	6.6400e-003	7.5600e-003	389.9381
Total	**0.1011**	**0.0581**	**1.1524**	**3.8300e-003**	**0.5142**	**2.1800e-003**	**0.5164**	**0.1364**	**2.0000e-003**	**0.1384**		**387.5201**	**387.5201**	**6.6400e-003**	**7.5600e-003**	**389.9381**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	4.8971	4.3808	47.2153	0.1070	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,925.4429	10,925.4429	0.7373	0.4424	11,075.7033
Unmitigated	4.8971	4.3808	47.2153	0.1070	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,925.4429	10,925.4429	0.7373	0.4424	11,075.7033

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	893.76	893.76	893.76	2,768,547	2,768,547
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	616.50	616.50	616.50	2,042,095	2,042,095
Strip Mall	452.10	452.10	452.10	1,497,536	1,497,536
Total	1,962.36	1,962.36	1,962.36	6,308,177	6,308,177

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
General Office Building	9.10	9.10	9.10	33.00	48.00	19.00	100	0	0
Strip Mall	9.10	9.10	9.10	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Strip Mall	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567
NaturalGas Unmitigated	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	423.699	4.5700e-003	0.0415	0.0349	2.5000e-004		3.1600e-003	3.1600e-003		3.1600e-003	3.1600e-003		49.8469	49.8469	9.6000e-004	9.1000e-004	50.1431
Strip Mall	49.1233	5.3000e-004	4.8200e-003	4.0500e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.7792	5.7792	1.1000e-004	1.1000e-004	5.8136
Total		**5.1000e-003**	**0.0464**	**0.0389**	**2.8000e-004**		**3.5300e-003**	**3.5300e-003**		**3.5300e-003**	**3.5300e-003**		**55.6261**	**55.6261**	**1.0700e-003**	**1.0200e-003**	**55.9567**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	0.423699	4.5700e-003	0.0415	0.0349	2.5000e-004		3.1600e-003	3.1600e-003		3.1600e-003	3.1600e-003		49.8469	49.8469	9.6000e-004	9.1000e-004	50.1431
Strip Mall	0.0491233	5.3000e-004	4.8200e-003	4.0500e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.7792	5.7792	1.1000e-004	1.1000e-004	5.8136
Total		**5.1000e-003**	**0.0464**	**0.0389**	**2.8000e-004**		**3.5300e-003**	**3.5300e-003**		**3.5300e-003**	**3.5300e-003**		**55.6261**	**55.6261**	**1.0700e-003**	**1.0200e-003**	**55.9567**

6.0 Area Detail

6.1 Mitigation Measures Area

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598
Unmitigated	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598

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	0.4670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0761					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	0.5645	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044		33.9481	33.9481	0.0325		34.7598
Total	**6.1075**	**0.2166**	**18.7969**	**1.0000e-003**		**0.1044**	**0.1044**		**0.1044**	**0.1044**	**0.0000**	**33.9481**	**33.9481**	**0.0325**	**0.0000**	**34.7598**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0761					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	0.5645	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044		33.9481	33.9481	0.0325		34.7598
Total	**6.1075**	**0.2166**	**18.7969**	**1.0000e-003**		**0.1044**	**0.1044**		**0.1044**	**0.1044**	**0.0000**	**33.9481**	**33.9481**	**0.0325**	**0.0000**	**34.7598**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation Phase 2 - Rebuild

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15.00	1000sqft	0.34	15,000.00	0
Enclosed Parking with Elevator	331.00	Space	0.81	132,400.00	0
Apartments Mid Rise	228.00	Dwelling Unit	1.00	228,000.00	652
Strip Mall	11.00	1000sqft	0.25	11,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Trips and VMT - See assumptiosn

Demolition -

Grading - See Assumptions

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	176.00
tblConstructionPhase	NumDays	220.00	351.00
tblConstructionPhase	NumDays	20.00	31.00
tblConstructionPhase	NumDays	6.00	31.00
tblConstructionPhase	NumDays	6.00	31.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	3.00	15.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	193.80	0.00
tblFireplaces	NumberNoFireplace	22.80	228.00
tblFireplaces	NumberWood	11.40	0.00
tblGrading	AcresOfGrading	31.00	6.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	0.00	4.50
tblGrading	MaterialExported	0.00	50,170.00
tblLandUse	LotAcreage	2.98	0.81
tblLandUse	LotAcreage	6.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	6,271.00	3,160.00
tblVehicleTrips	CC_TL	8.40	9.10
tblVehicleTrips	CC_TL	8.40	9.10
tblVehicleTrips	CNW_TL	6.90	9.10
tblVehicleTrips	CNW_TL	6.90	9.10
tblVehicleTrips	CW_TL	16.60	9.10
tblVehicleTrips	CW_TL	16.60	9.10
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	41.10
tblVehicleTrips	ST_TR	42.04	41.10
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	41.10
tblVehicleTrips	SU_TR	20.43	41.10
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	41.10
tblVehicleTrips	WD_TR	44.32	41.10
tblWoodstoves	NumberCatalytic	11.40	0.00
tblWoodstoves	NumberNoncatalytic	11.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2027	5.6844	57.1255	73.3107	0.1757	2.9328	1.8249	4.7578	0.7407	1.7501	2.4908	0.0000	17,513.4030	17,513.4030	2.6716	0.9835	17,870.8249
2028	13.2575	41.1795	59.4999	0.1219	3.3830	1.7371	4.7789	0.9045	1.6437	2.3019	0.0000	11,680.6061	11,680.6061	2.6706	0.1823	11,751.1816
2029	13.2180	25.3299	33.8959	0.0801	3.3830	1.0122	4.3952	0.9045	0.9702	1.8746	0.0000	7,722.2709	7,722.2709	0.9632	0.1778	7,799.3304
Maximum	**13.2575**	**57.1255**	**73.3107**	**0.1757**	**3.3830**	**1.8249**	**4.7789**	**0.9045**	**1.7501**	**2.4908**	**0.0000**	**17,513.4030**	**17,513.4030**	**2.6716**	**0.9835**	**17,870.8249**

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					
2027	1.9103	23.7488	71.1810	0.1523	2.7193	0.4526	3.1719	0.7133	0.4286	1.1419	0.0000	15,437.4229	15,437.4229	2.6511	0.9835	15,791.6126
2028	11.0632	11.1593	71.0934	0.1191	3.3830	0.1794	3.4959	0.9045	0.1791	1.0159	0.0000	11,483.3519	11,483.3519	2.6501	0.1823	11,553.4155
2029	11.0237	7.6025	33.9967	0.0744	3.3830	0.1120	3.4949	0.9045	0.1105	1.0150	0.0000	7,318.1404	7,318.1404	0.9213	0.1778	7,394.1510
Maximum	**11.0632**	**23.7488**	**71.1810**	**0.1523**	**3.3830**	**0.4526**	**3.4959**	**0.9045**	**0.4286**	**1.1419**	**0.0000**	**15,437.4229**	**15,437.4229**	**2.6511**	**0.9835**	**15,791.6126**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	25.38	65.62	-5.74	8.43	2.20	83.74	27.05	1.08	83.54	52.41	0.00	7.25	7.25	1.32	0.00	7.17

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598
Energy	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567
Mobile	4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,478.3406	10,478.3406	0.7563	0.4605	10,634.4671
Total	**10.9155**	**4.9864**	**65.5409**	**0.1039**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7092**	**0.0000**	**10,567.9148**	**10,567.9148**	**0.7899**	**0.4615**	**10,725.1836**

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	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598
Energy	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567
Mobile	4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,478.3406	10,478.3406	0.7563	0.4605	10,634.4671
Total	**10.9155**	**4.9864**	**65.5409**	**0.1039**	**13.2866**	**0.1737**	**13.4603**	**3.5401**	**0.1691**	**3.7092**	**0.0000**	**10,567.9148**	**10,567.9148**	**0.7899**	**0.4615**	**10,725.1836**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	9/1/2027	10/13/2027	5	31	
2	Site Preparation	Site Preparation	10/14/2027	11/3/2027	5	15	
3	Grading	Grading	11/4/2027	12/16/2027	5	31	
4	Utilities and Trenching	Grading	12/17/2027	1/28/2028	5	31	
5	Building Construction	Building Construction	1/29/2028	6/4/2029	5	351	
6	Paving	Paving	1/29/2028	2/9/2028	5	8	
7	Architectural Coating	Architectural Coating	10/2/2028	6/4/2029	5	176	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0.81

Residential Indoor: 461,700; Residential Outdoor: 153,900; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area: 7,944 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Excavators	4	8.00	158	0.38
Grading	Generator Sets	2	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Welders	4	8.00	46	0.45
Utilities and Trenching	Air Compressors	2	8.00	78	0.48
Utilities and Trenching	Concrete/Industrial Saws	2	8.00	81	0.73
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Utilities and Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Generator Sets	2	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	2	8.00	13	0.30

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
Demolition	16	40.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	27	68.00	0.00	3,160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	28	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	228.00	50.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	11	46.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2027

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					1.0288	0.0000	1.0288	0.1558	0.0000	0.1558			0.0000			0.0000
Off-Road	3.0920	26.1995	43.3129	0.0764		1.1231	1.1231		1.0633	1.0633		7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**3.0920**	**26.1995**	**43.3129**	**0.0764**	**1.0288**	**1.1231**	**2.1519**	**0.1558**	**1.0633**	**1.2191**		**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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	9.2600e-003	0.6305	0.1761	2.5700e-003	0.0830	3.9000e-003	0.0869	0.0228	3.7300e-003	0.0265		283.8566	283.8566	0.0174	0.0452	297.7443
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
Worker	0.1075	0.0655	1.0189	3.3200e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		335.3637	335.3637	6.9500e-003	7.6500e-003	337.8174
Total	**0.1168**	**0.6960**	**1.1950**	**5.8900e-003**	**0.5301**	**6.0800e-003**	**0.5362**	**0.1413**	**5.7400e-003**	**0.1471**		**619.2203**	**619.2203**	**0.0243**	**0.0528**	**635.5617**

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					0.4630	0.0000	0.4630	0.0701	0.0000	0.0701			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**0.4630**	**0.1173**	**0.5803**	**0.0701**	**0.1173**	**0.1874**	**0.0000**	**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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	9.2600e-003	0.6305	0.1761	2.5700e-003	0.0830	3.9000e-003	0.0869	0.0228	3.7300e-003	0.0265		283.8566	283.8566	0.0174	0.0452	297.7443
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
Worker	0.1075	0.0655	1.0189	3.3200e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		335.3637	335.3637	6.9500e-003	7.6500e-003	337.8174
Total	**0.1168**	**0.6960**	**1.1950**	**5.8900e-003**	**0.5301**	**6.0800e-003**	**0.5362**	**0.1413**	**5.7400e-003**	**0.1471**		**619.2203**	**619.2203**	**0.0243**	**0.0528**	**635.5617**

3.3 Site Preparation - 2027

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					0.3182	0.0000	0.3182	0.0344	0.0000	0.0344			0.0000			0.0000
Off-Road	0.6280	5.8866	5.1373	6.7600e-003		0.3921	0.3921		0.3607	0.3607		654.6902	654.6902	0.2117		659.9837
Total	**0.6280**	**5.8866**	**5.1373**	**6.7600e-003**	**0.3182**	**0.3921**	**0.7102**	**0.0344**	**0.3607**	**0.3950**		**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

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	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
Worker	0.0134	8.1800e-003	0.1274	4.1000e-004	0.0559	2.7000e-004	0.0562	0.0148	2.5000e-004	0.0151		41.9205	41.9205	8.7000e-004	9.6000e-004	42.2272
Total	**0.0134**	**8.1800e-003**	**0.1274**	**4.1000e-004**	**0.0559**	**2.7000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**41.9205**	**41.9205**	**8.7000e-004**	**9.6000e-004**	**42.2272**

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					0.1432	0.0000	0.1432	0.0155	0.0000	0.0155			0.0000			0.0000
Off-Road	0.0825	0.3577	5.0900	6.7600e-003		0.0110	0.0110		0.0110	0.0110	0.0000	654.6902	654.6902	0.2117		659.9837
Total	**0.0825**	**0.3577**	**5.0900**	**6.7600e-003**	**0.1432**	**0.0110**	**0.1542**	**0.0155**	**0.0110**	**0.0265**	**0.0000**	**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

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	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
Worker	0.0134	8.1800e-003	0.1274	4.1000e-004	0.0559	2.7000e-004	0.0562	0.0148	2.5000e-004	0.0151		41.9205	41.9205	8.7000e-004	9.6000e-004	42.2272
Total	**0.0134**	**8.1800e-003**	**0.1274**	**4.1000e-004**	**0.0559**	**2.7000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**41.9205**	**41.9205**	**8.7000e-004**	**9.6000e-004**	**42.2272**

3.4 Grading - 2027

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					0.3883	0.0000	0.3883	0.0499	0.0000	0.0499			0.0000			0.0000
Off-Road	5.3026	43.4600	67.7932	0.1148		1.7373	1.7373		1.6664	1.6664		10,841.3331	10,841.3331	2.1885		10,896.0453
Total	**5.3026**	**43.4600**	**67.7932**	**0.1148**	**0.3883**	**1.7373**	**2.1256**	**0.0499**	**1.6664**	**1.7163**		**10,841.3331**	**10,841.3331**	**2.1885**		**10,896.0453**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

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	0.1990	13.5543	3.7854	0.0552	1.7845	0.0839	1.8684	0.4893	0.0803	0.5695		6,101.9517	6,101.9517	0.3735	0.9705	6,400.4901
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
Worker	0.1828	0.1113	1.7321	5.6400e-003	0.7601	3.7100e-003	0.7638	0.2016	3.4100e-003	0.2050		570.1182	570.1182	0.0118	0.0130	574.2895
Total	**0.3818**	**13.6656**	**5.5174**	**0.0609**	**2.5446**	**0.0876**	**2.6322**	**0.6909**	**0.0837**	**0.7745**		**6,672.0699**	**6,672.0699**	**0.3853**	**0.9835**	**6,974.7796**

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					0.1747	0.0000	0.1747	0.0225	0.0000	0.0225			0.0000			0.0000
Off-Road	1.5285	10.0832	58.2112	0.0914		0.3650	0.3650		0.3449	0.3449	0.0000	8,765.3530	8,765.3530	2.0592		8,816.8330
Total	**1.5285**	**10.0832**	**58.2112**	**0.0914**	**0.1747**	**0.3650**	**0.5397**	**0.0225**	**0.3449**	**0.3674**	**0.0000**	**8,765.3530**	**8,765.3530**	**2.0592**		**8,816.8330**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

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	0.1990	13.5543	3.7854	0.0552	1.7845	0.0839	1.8684	0.4893	0.0803	0.5695		6,101.9517	6,101.9517	0.3735	0.9705	6,400.4901
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
Worker	0.1828	0.1113	1.7321	5.6400e-003	0.7601	3.7100e-003	0.7638	0.2016	3.4100e-003	0.2050		570.1182	570.1182	0.0118	0.0130	574.2895
Total	**0.3818**	**13.6656**	**5.5174**	**0.0609**	**2.5446**	**0.0876**	**2.6322**	**0.6909**	**0.0837**	**0.7745**		**6,672.0699**	**6,672.0699**	**0.3853**	**0.9835**	**6,974.7796**

3.5 Utilities and Trenching - 2027

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					0.2053	0.0000	0.2053	0.0222	0.0000	0.0222			0.0000			0.0000
Off-Road	4.8235	41.0741	57.8045	0.1162		1.7336	1.7336		1.6404	1.6404		11,108.5318	11,108.5318	2.6594		11,175.0177
Total	**4.8235**	**41.0741**	**57.8045**	**0.1162**	**0.2053**	**1.7336**	**1.9388**	**0.0222**	**1.6404**	**1.6626**		**11,108.5318**	**11,108.5318**	**2.6594**		**11,175.0177**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2027

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	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
Worker	0.1882	0.1146	1.7830	5.8100e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		586.8864	586.8864	0.0122	0.0134	591.1804
Total	**0.1882**	**0.1146**	**1.7830**	**5.8100e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**586.8864**	**586.8864**	**0.0122**	**0.0134**	**591.1804**

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	lb/day										lb/day					
Fugitive Dust					0.0924	0.0000	0.0924	9.9700e-003	0.0000	9.9700e-003			0.0000			0.0000
Off-Road	1.3808	8.2888	69.3980	0.1135		0.1758	0.1758		0.1758	0.1758	0.0000	10,911.2776	10,911.2776	2.6390		10,977.2516
Total	**1.3808**	**8.2888**	**69.3980**	**0.1135**	**0.0924**	**0.1758**	**0.2682**	**9.9700e-003**	**0.1758**	**0.1858**	**0.0000**	**10,911.2776**	**10,911.2776**	**2.6390**		**10,977.2516**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2027

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	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
Worker	0.1882	0.1146	1.7830	5.8100e-003	0.7824	3.8200e-003	0.7863	0.2075	3.5100e-003	0.2110		586.8864	586.8864	0.0122	0.0134	591.1804
Total	**0.1882**	**0.1146**	**1.7830**	**5.8100e-003**	**0.7824**	**3.8200e-003**	**0.7863**	**0.2075**	**3.5100e-003**	**0.2110**		**586.8864**	**586.8864**	**0.0122**	**0.0134**	**591.1804**

3.5 Utilities and Trenching - 2028

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					0.2053	0.0000	0.2053	0.0222	0.0000	0.0222			0.0000			0.0000
Off-Road	4.8235	41.0741	57.8045	0.1162		1.7336	1.7336		1.6404	1.6404		11,108.5318	11,108.5318	2.6594		11,175.0177
Total	**4.8235**	**41.0741**	**57.8045**	**0.1162**	**0.2053**	**1.7336**	**1.9388**	**0.0222**	**1.6404**	**1.6626**		**11,108.5318**	**11,108.5318**	**2.6594**		**11,175.0177**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2028

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	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
Worker	0.1782	0.1055	1.6954	5.6600e-003	0.7824	3.5500e-003	0.7860	0.2075	3.2700e-003	0.2108		572.0742	572.0742	0.0112	0.0128	576.1639
Total	**0.1782**	**0.1055**	**1.6954**	**5.6600e-003**	**0.7824**	**3.5500e-003**	**0.7860**	**0.2075**	**3.2700e-003**	**0.2108**		**572.0742**	**572.0742**	**0.0112**	**0.0128**	**576.1639**

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					0.0924	0.0000	0.0924	9.9700e-003	0.0000	9.9700e-003			0.0000			0.0000
Off-Road	1.3808	8.2888	69.3980	0.1135		0.1758	0.1758		0.1758	0.1758	0.0000	10,911.2776	10,911.2776	2.6390		10,977.2516
Total	**1.3808**	**8.2888**	**69.3980**	**0.1135**	**0.0924**	**0.1758**	**0.2682**	**9.9700e-003**	**0.1758**	**0.1858**	**0.0000**	**10,911.2776**	**10,911.2776**	**2.6390**		**10,977.2516**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2028

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	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
Worker	0.1782	0.1055	1.6954	5.6600e-003	0.7824	3.5500e-003	0.7860	0.2075	3.2700e-003	0.2108		572.0742	572.0742	0.0112	0.0128	576.1639
Total	**0.1782**	**0.1055**	**1.6954**	**5.6600e-003**	**0.7824**	**3.5500e-003**	**0.7860**	**0.2075**	**3.2700e-003**	**0.2108**		**572.0742**	**572.0742**	**0.0112**	**0.0128**	**576.1639**

3.6 Building Construction - 2028

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2028

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	0.0000
Vendor	0.0485	1.9623	0.7123	8.4800e-003	0.3203	9.6600e-003	0.3300	0.0922	9.2400e-003	0.1015		915.7835	915.7835	0.0343	0.1322	956.0411
Worker	0.5804	0.3435	5.5222	0.0184	2.5485	0.0116	2.5601	0.6759	0.0107	0.6865		1,863.3275	1,863.3275	0.0364	0.0416	1,876.6481
Total	**0.6289**	**2.3057**	**6.2345**	**0.0269**	**2.8688**	**0.0212**	**2.8900**	**0.7681**	**0.0199**	**0.7880**		**2,779.1109**	**2,779.1109**	**0.0707**	**0.1739**	**2,832.6892**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2028

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	0.0000
Vendor	0.0485	1.9623	0.7123	8.4800e-003	0.3203	9.6600e-003	0.3300	0.0922	9.2400e-003	0.1015		915.7835	915.7835	0.0343	0.1322	956.0411
Worker	0.5804	0.3435	5.5222	0.0184	2.5485	0.0116	2.5601	0.6759	0.0107	0.6865		1,863.3275	1,863.3275	0.0364	0.0416	1,876.6481
Total	**0.6289**	**2.3057**	**6.2345**	**0.0269**	**2.8688**	**0.0212**	**2.8900**	**0.7681**	**0.0199**	**0.7880**		**2,779.1109**	**2,779.1109**	**0.0707**	**0.1739**	**2,832.6892**

3.6 Building Construction - 2029

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0475	1.9488	0.7075	8.3100e-003	0.3203	9.6000e-003	0.3299	0.0922	9.1800e-003	0.1014		898.6487	898.6487	0.0345	0.1298	938.1864
Worker	0.5483	0.3174	5.2685	0.0180	2.5485	0.0108	2.5593	0.6759	9.9300e-003	0.6858		1,820.2979	1,820.2979	0.0336	0.0399	1,833.0411
Total	**0.5958**	**2.2662**	**5.9759**	**0.0263**	**2.8688**	**0.0204**	**2.8892**	**0.7681**	**0.0191**	**0.7872**		**2,718.9466**	**2,718.9466**	**0.0681**	**0.1697**	**2,771.2275**

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0475	1.9488	0.7075	8.3100e-003	0.3203	9.6000e-003	0.3299	0.0922	9.1800e-003	0.1014		898.6487	898.6487	0.0345	0.1298	938.1864
Worker	0.5483	0.3174	5.2685	0.0180	2.5485	0.0108	2.5593	0.6759	9.9300e-003	0.6858		1,820.2979	1,820.2979	0.0336	0.0399	1,833.0411
Total	**0.5958**	**2.2662**	**5.9759**	**0.0263**	**2.8688**	**0.0204**	**2.8892**	**0.7681**	**0.0191**	**0.7872**		**2,718.9466**	**2,718.9466**	**0.0681**	**0.1697**	**2,771.2275**

3.7 Paving - 2028

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	1.9577	17.5197	26.7249	0.0434		0.8226	0.8226		0.7758	0.7758		4,112.7530	4,112.7530	0.9364		4,136.1626
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9577**	**17.5197**	**26.7249**	**0.0434**		**0.8226**	**0.8226**		**0.7758**	**0.7758**		**4,112.7530**	**4,112.7530**	**0.9364**		**4,136.1626**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2028

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	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
Worker	0.0891	0.0527	0.8477	2.8300e-003	0.3912	1.7800e-003	0.3930	0.1038	1.6300e-003	0.1054		286.0371	286.0371	5.5900e-003	6.3900e-003	288.0820
Total	**0.0891**	**0.0527**	**0.8477**	**2.8300e-003**	**0.3912**	**1.7800e-003**	**0.3930**	**0.1038**	**1.6300e-003**	**0.1054**		**286.0371**	**286.0371**	**5.5900e-003**	**6.3900e-003**	**288.0820**

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	0.5366	4.6309	29.2507	0.0420		0.0632	0.0632		0.0632	0.0632	0.0000	4,014.1259	4,014.1259	0.9262		4,037.2796
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5366**	**4.6309**	**29.2507**	**0.0420**		**0.0632**	**0.0632**		**0.0632**	**0.0632**	**0.0000**	**4,014.1259**	**4,014.1259**	**0.9262**		**4,037.2796**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2028

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	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
Worker	0.0891	0.0527	0.8477	2.8300e-003	0.3912	1.7800e-003	0.3930	0.1038	1.6300e-003	0.1054		286.0371	286.0371	5.5900e-003	6.3900e-003	288.0820
Total	**0.0891**	**0.0527**	**0.8477**	**2.8300e-003**	**0.3912**	**1.7800e-003**	**0.3930**	**0.1038**	**1.6300e-003**	**0.1054**		**286.0371**	**286.0371**	**5.5900e-003**	**6.3900e-003**	**288.0820**

3.8 Architectural Coating - 2028

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1195	7.3784	9.5670	0.0173		0.3164	0.3164		0.3164	0.3164		1,507.0701	1,507.0701	0.1003		1,509.5778
Total	**10.8041**	**7.3784**	**9.5670**	**0.0173**		**0.3164**	**0.3164**		**0.3164**	**0.3164**		**1,507.0701**	**1,507.0701**	**0.1003**		**1,509.5778**

OSP - Partial Preservation Phase 2 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2028

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	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
Worker	0.1171	0.0693	1.1141	3.7200e-003	0.5142	2.3400e-003	0.5165	0.1364	2.1500e-003	0.1385		375.9345	375.9345	7.3500e-003	8.4000e-003	378.6220
Total	**0.1171**	**0.0693**	**1.1141**	**3.7200e-003**	**0.5142**	**2.3400e-003**	**0.5165**	**0.1364**	**2.1500e-003**	**0.1385**		**375.9345**	**375.9345**	**7.3500e-003**	**8.4000e-003**	**378.6220**

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.1023	7.8099	0.0130		0.0403	0.0403		0.0403	0.0403	0.0000	1,203.9722	1,203.9722	0.0688		1,205.6932
Total	**9.8870**	**1.1023**	**7.8099**	**0.0130**		**0.0403**	**0.0403**		**0.0403**	**0.0403**	**0.0000**	**1,203.9722**	**1,203.9722**	**0.0688**		**1,205.6932**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2028

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	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
Worker	0.1171	0.0693	1.1141	3.7200e-003	0.5142	2.3400e-003	0.5165	0.1364	2.1500e-003	0.1385		375.9345	375.9345	7.3500e-003	8.4000e-003	378.6220
Total	**0.1171**	**0.0693**	**1.1141**	**3.7200e-003**	**0.5142**	**2.3400e-003**	**0.5165**	**0.1364**	**2.1500e-003**	**0.1385**		**375.9345**	**375.9345**	**7.3500e-003**	**8.4000e-003**	**378.6220**

3.8 Architectural Coating - 2029

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1195	7.3784	9.5670	0.0173		0.3164	0.3164		0.3164	0.3164		1,507.0701	1,507.0701	0.1003		1,509.5778
Total	**10.8041**	**7.3784**	**9.5670**	**0.0173**		**0.3164**	**0.3164**		**0.3164**	**0.3164**		**1,507.0701**	**1,507.0701**	**0.1003**		**1,509.5778**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1106	0.0640	1.0629	3.6300e-003	0.5142	2.1800e-003	0.5164	0.1364	2.0000e-003	0.1384		367.2531	367.2531	6.7800e-003	8.0600e-003	369.8241
Total	**0.1106**	**0.0640**	**1.0629**	**3.6300e-003**	**0.5142**	**2.1800e-003**	**0.5164**	**0.1364**	**2.0000e-003**	**0.1384**		**367.2531**	**367.2531**	**6.7800e-003**	**8.0600e-003**	**369.8241**

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	9.6846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.1023	7.8099	0.0130		0.0403	0.0403		0.0403	0.0403	0.0000	1,203.9722	1,203.9722	0.0688		1,205.6932
Total	**9.8870**	**1.1023**	**7.8099**	**0.0130**		**0.0403**	**0.0403**		**0.0403**	**0.0403**	**0.0000**	**1,203.9722**	**1,203.9722**	**0.0688**		**1,205.6932**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1106	0.0640	1.0629	3.6300e-003	0.5142	2.1800e-003	0.5164	0.1364	2.0000e-003	0.1384		367.2531	367.2531	6.7800e-003	8.0600e-003	369.8241
Total	**0.1106**	**0.0640**	**1.0629**	**3.6300e-003**	**0.5142**	**2.1800e-003**	**0.5164**	**0.1364**	**2.0000e-003**	**0.1384**		**367.2531**	**367.2531**	**6.7800e-003**	**8.0600e-003**	**369.8241**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,478.3406	10,478.3406	0.7563	0.4605	10,634.4671
Unmitigated	4.8028	4.7235	46.7051	0.1026	13.2866	0.0657	13.3523	3.5401	0.0611	3.6012		10,478.3406	10,478.3406	0.7563	0.4605	10,634.4671

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	893.76	893.76	893.76	2,768,547	2,768,547
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	616.50	616.50	616.50	2,042,095	2,042,095
Strip Mall	452.10	452.10	452.10	1,497,536	1,497,536
Total	1,962.36	1,962.36	1,962.36	6,308,177	6,308,177

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
General Office Building	9.10	9.10	9.10	33.00	48.00	19.00	100	0	0
Strip Mall	9.10	9.10	9.10	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Strip Mall	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567
NaturalGas Unmitigated	5.1000e-003	0.0464	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.6261	55.6261	1.0700e-003	1.0200e-003	55.9567

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	423.699	4.5700e-003	0.0415	0.0349	2.5000e-004		3.1600e-003	3.1600e-003		3.1600e-003	3.1600e-003		49.8469	49.8469	9.6000e-004	9.1000e-004	50.1431
Strip Mall	49.1233	5.3000e-004	4.8200e-003	4.0500e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.7792	5.7792	1.1000e-004	1.1000e-004	5.8136
Total		**5.1000e-003**	**0.0464**	**0.0389**	**2.8000e-004**		**3.5300e-003**	**3.5300e-003**		**3.5300e-003**	**3.5300e-003**		**55.6261**	**55.6261**	**1.0700e-003**	**1.0200e-003**	**55.9567**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	0.423699	4.5700e-003	0.0415	0.0349	2.5000e-004		3.1600e-003	3.1600e-003		3.1600e-003	3.1600e-003		49.8469	49.8469	9.6000e-004	9.1000e-004	50.1431
Strip Mall	0.0491233	5.3000e-004	4.8200e-003	4.0500e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.7792	5.7792	1.1000e-004	1.1000e-004	5.8136
Total		**5.1000e-003**	**0.0464**	**0.0389**	**2.8000e-004**		**3.5300e-003**	**3.5300e-003**		**3.5300e-003**	**3.5300e-003**		**55.6261**	**55.6261**	**1.0700e-003**	**1.0200e-003**	**55.9567**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598
Unmitigated	6.1075	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044	0.0000	33.9481	33.9481	0.0325	0.0000	34.7598

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	0.4670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0761					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	0.5645	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044		33.9481	33.9481	0.0325		34.7598
Total	**6.1075**	**0.2166**	**18.7969**	**1.0000e-003**		**0.1044**	**0.1044**		**0.1044**	**0.1044**	**0.0000**	**33.9481**	**33.9481**	**0.0325**	**0.0000**	**34.7598**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4670					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0761					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	0.5645	0.2166	18.7969	1.0000e-003		0.1044	0.1044		0.1044	0.1044		33.9481	33.9481	0.0325		34.7598
Total	**6.1075**	**0.2166**	**18.7969**	**1.0000e-003**		**0.1044**	**0.1044**		**0.1044**	**0.1044**	**0.0000**	**33.9481**	**33.9481**	**0.0325**	**0.0000**	**34.7598**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	108.00	Dwelling Unit	3.60	108,000.00	309

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	263.00
tblConstructionPhase	NumDays	230.00	527.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	PhaseEndDate	1/11/2028	3/16/2029
tblConstructionPhase	PhaseEndDate	12/16/2027	3/13/2029
tblConstructionPhase	PhaseEndDate	1/28/2027	3/5/2027
tblConstructionPhase	PhaseStartDate	12/17/2027	3/15/2028
tblConstructionPhase	PhaseStartDate	1/29/2027	3/6/2027

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	91.80	0.00
tblFireplaces	NumberNoFireplace	10.80	108.00
tblFireplaces	NumberWood	5.40	0.00
tblLandUse	LotAcreage	2.84	3.60
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	NumberCatalytic	5.40	0.00
tblWoodstoves	NumberNoncatalytic	5.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2027	0.2790	2.3536	3.1184	6.3200e-003	0.1178	0.0990	0.2168	0.0307	0.0932	0.1239	0.0000	554.0862	554.0862	0.1145	5.0700e-003	558.4609
2028	0.6391	2.9099	3.5855	7.3600e-003	0.1392	0.1227	0.2618	0.0372	0.1173	0.1545	0.0000	629.9876	629.9876	0.1056	5.7200e-003	634.3319
2029	0.1527	0.6332	0.7826	1.5900e-003	0.0290	0.0267	0.0557	7.7500e-003	0.0257	0.0334	0.0000	135.6760	135.6760	0.0217	1.1300e-003	136.5566
Maximum	**0.6391**	**2.9099**	**3.5855**	**7.3600e-003**	**0.1392**	**0.1227**	**0.2618**	**0.0372**	**0.1173**	**0.1545**	**0.0000**	**629.9876**	**629.9876**	**0.1145**	**5.7200e-003**	**634.3319**

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					
2027	0.1008	0.7731	3.4711	6.1700e-003	0.1178	0.0133	0.1311	0.0307	0.0128	0.0435	0.0000	544.2327	544.2327	0.1135	5.0700e-003	548.5818
2028	0.3646	0.6754	3.5698	6.7300e-003	0.1392	8.9300e-003	0.1481	0.0372	8.8700e-003	0.0461	0.0000	589.4754	589.4754	0.1014	5.7200e-003	593.7145
2029	0.0909	0.1383	0.7629	1.4400e-003	0.0290	1.8900e-003	0.0309	7.7500e-003	1.8800e-003	9.6300e-003	0.0000	125.7312	125.7312	0.0207	1.1300e-003	126.5860
Maximum	**0.3646**	**0.7731**	**3.5698**	**6.7300e-003**	**0.1392**	**0.0133**	**0.1481**	**0.0372**	**0.0128**	**0.0461**	**0.0000**	**589.4754**	**589.4754**	**0.1135**	**5.7200e-003**	**593.7145**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**48.05**	**73.09**	**-4.24**	**6.09**	**0.00**	**90.31**	**41.97**	**0.00**	**90.02**	**68.19**	**0.00**	**4.57**	**4.57**	**2.59**	**0.00**	**4.55**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2027**	**3-31-2027**	0.8458	0.3408
2	**4-1-2027**	**6-30-2027**	0.5888	0.1747
3	**7-1-2027**	**9-30-2027**	0.5952	0.1766
4	**10-1-2027**	**12-31-2027**	0.5969	0.1783
5	**1-1-2028**	**3-31-2028**	0.6592	0.1954
6	**4-1-2028**	**6-30-2028**	0.9605	0.2800
7	**7-1-2028**	**9-30-2028**	0.9711	0.2831
8	**10-1-2028**	**12-31-2028**	0.9729	0.2849
9	**1-1-2029**	**3-31-2029**	0.7729	0.2257
		Highest	0.9729	0.3408

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4573	0.0128	1.1108	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8193	1.8193	1.7300e-003	0.0000	1.8627
Energy	4.2000e-003	0.0359	0.0153	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	109.0936	109.0936	6.5000e-003	1.4500e-003	109.6889
Mobile	0.1843	0.1875	1.8183	4.0000e-003	0.4929	2.6100e-003	0.4955	0.1315	2.4200e-003	0.1340	0.0000	370.0124	370.0124	0.0264	0.0163	375.5226
Waste						0.0000	0.0000		0.0000	0.0000	10.0846	0.0000	10.0846	0.5960	0.0000	24.9842
Water						0.0000	0.0000		0.0000	0.0000	2.2324	24.9897	27.2221	0.2314	5.6700e-003	34.6966
Total	**0.6457**	**0.2362**	**2.9444**	**4.2900e-003**	**0.4929**	**0.0117**	**0.5046**	**0.1315**	**0.0115**	**0.1430**	**12.3170**	**505.9149**	**518.2319**	**0.8620**	**0.0234**	**546.7549**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4573	0.0128	1.1108	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8193	1.8193	1.7300e-003	0.0000	1.8627
Energy	4.2000e-003	0.0359	0.0153	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	109.0936	109.0936	6.5000e-003	1.4500e-003	109.6889
Mobile	0.1843	0.1875	1.8183	4.0000e-003	0.4929	2.6100e-003	0.4955	0.1315	2.4200e-003	0.1340	0.0000	370.0124	370.0124	0.0264	0.0163	375.5226
Waste						0.0000	0.0000		0.0000	0.0000	10.0846	0.0000	10.0846	0.5960	0.0000	24.9842
Water						0.0000	0.0000		0.0000	0.0000	2.2324	24.9897	27.2221	0.2314	5.6700e-003	34.6966
Total	**0.6457**	**0.2362**	**2.9444**	**4.2900e-003**	**0.4929**	**0.0117**	**0.5046**	**0.1315**	**0.0115**	**0.1430**	**12.3170**	**505.9149**	**518.2319**	**0.8620**	**0.0234**	**546.7549**

	ROG	NOx	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	Demolition	Demolition	1/1/2027	3/5/2027	5	46	
2	Building Construction	Building Construction	3/6/2027	3/13/2029	5	527	
3	Architectural Coating	Architectural Coating	3/15/2028	3/16/2029	5	263	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 218,700; Residential Outdoor: 72,900; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	3	8.00	78	0.48
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

Trips and VMT

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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
Architectural Coating	12	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	78.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	16	40.00	0.00	66.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 Demolition - 2027

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					7.1800e-003	0.0000	7.1800e-003	1.0900e-003	0.0000	1.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0711	0.6019	0.9949	1.7600e-003		0.0258	0.0258		0.0244	0.0244	0.0000	153.1722	153.1722	0.0352	0.0000	154.0517
Total	**0.0711**	**0.6019**	**0.9949**	**1.7600e-003**	**7.1800e-003**	**0.0258**	**0.0330**	**1.0900e-003**	**0.0244**	**0.0255**	**0.0000**	**153.1722**	**153.1722**	**0.0352**	**0.0000**	**154.0517**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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	7.0000e-005	4.4300e-003	1.2200e-003	2.0000e-005	5.7000e-004	3.0000e-005	5.9000e-004	1.6000e-004	3.0000e-005	1.8000e-004	0.0000	1.7909	1.7909	1.1000e-004	2.8000e-004	1.8785
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	2.2600e-003	1.5400e-003	0.0240	8.0000e-005	0.0101	5.0000e-005	0.0101	2.6800e-003	5.0000e-005	2.7200e-003	0.0000	7.1011	7.1011	1.4000e-004	1.6000e-004	7.1530
Total	**2.3300e-003**	**5.9700e-003**	**0.0252**	**1.0000e-004**	**0.0107**	**8.0000e-005**	**0.0107**	**2.8400e-003**	**8.0000e-005**	**2.9000e-003**	**0.0000**	**8.8920**	**8.8920**	**2.5000e-004**	**4.4000e-004**	**9.0315**

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					7.1800e-003	0.0000	7.1800e-003	1.0900e-003	0.0000	1.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0303	0.2536	1.1475	1.7600e-003		7.1900e-003	7.1900e-003		6.7900e-003	6.7900e-003	0.0000	153.1720	153.1720	0.0352	0.0000	154.0515
Total	**0.0303**	**0.2536**	**1.1475**	**1.7600e-003**	**7.1800e-003**	**7.1900e-003**	**0.0144**	**1.0900e-003**	**6.7900e-003**	**7.8800e-003**	**0.0000**	**153.1720**	**153.1720**	**0.0352**	**0.0000**	**154.0515**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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	7.0000e-005	4.4300e-003	1.2200e-003	2.0000e-005	5.7000e-004	3.0000e-005	5.9000e-004	1.6000e-004	3.0000e-005	1.8000e-004	0.0000	1.7909	1.7909	1.1000e-004	2.8000e-004	1.8785
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	2.2600e-003	1.5400e-003	0.0240	8.0000e-005	0.0101	5.0000e-005	0.0101	2.6800e-003	5.0000e-005	2.7200e-003	0.0000	7.1011	7.1011	1.4000e-004	1.6000e-004	7.1530
Total	**2.3300e-003**	**5.9700e-003**	**0.0252**	**1.0000e-004**	**0.0107**	**8.0000e-005**	**0.0107**	**2.8400e-003**	**8.0000e-005**	**2.9000e-003**	**0.0000**	**8.8920**	**8.8920**	**2.5000e-004**	**4.4000e-004**	**9.0315**

3.3 Building Construction - 2027

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	0.1837	1.6807	1.8611	3.5400e-003		0.0724	0.0724		0.0681	0.0681	0.0000	305.4730	305.4730	0.0770	0.0000	307.3968
Total	**0.1837**	**1.6807**	**1.8611**	**3.5400e-003**		**0.0724**	**0.0724**		**0.0681**	**0.0681**	**0.0000**	**305.4730**	**305.4730**	**0.0770**	**0.0000**	**307.3968**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

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	1.3100e-003	0.0511	0.0182	2.2000e-004	8.1300e-003	2.5000e-004	8.3800e-003	2.3500e-003	2.4000e-004	2.5900e-003	0.0000	21.8287	21.8287	8.0000e-004	3.1500e-003	22.7876
Worker	0.0206	0.0140	0.2189	7.1000e-004	0.0919	4.6000e-004	0.0923	0.0244	4.2000e-004	0.0248	0.0000	64.7202	64.7202	1.3200e-003	1.4800e-003	65.1932
Total	**0.0219**	**0.0651**	**0.2372**	**9.3000e-004**	**0.1000**	**7.1000e-004**	**0.1007**	**0.0268**	**6.6000e-004**	**0.0274**	**0.0000**	**86.5489**	**86.5489**	**2.1200e-003**	**4.6300e-003**	**87.9808**

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	0.0463	0.4485	2.0612	3.3800e-003		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	295.6197	295.6197	0.0759	0.0000	297.5180
Total	**0.0463**	**0.4485**	**2.0612**	**3.3800e-003**		**5.2800e-003**	**5.2800e-003**		**5.2800e-003**	**5.2800e-003**	**0.0000**	**295.6197**	**295.6197**	**0.0759**	**0.0000**	**297.5180**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

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	1.3100e-003	0.0511	0.0182	2.2000e-004	8.1300e-003	2.5000e-004	8.3800e-003	2.3500e-003	2.4000e-004	2.5900e-003	0.0000	21.8287	21.8287	8.0000e-004	3.1500e-003	22.7876
Worker	0.0206	0.0140	0.2189	7.1000e-004	0.0919	4.6000e-004	0.0923	0.0244	4.2000e-004	0.0248	0.0000	64.7202	64.7202	1.3200e-003	1.4800e-003	65.1932
Total	**0.0219**	**0.0651**	**0.2372**	**9.3000e-004**	**0.1000**	**7.1000e-004**	**0.1007**	**0.0268**	**6.6000e-004**	**0.0274**	**0.0000**	**86.5489**	**86.5489**	**2.1200e-003**	**4.6300e-003**	**87.9808**

3.3 Building Construction - 2028

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	0.2221	2.0324	2.2507	4.2800e-003		0.0876	0.0876		0.0823	0.0823	0.0000	369.4092	369.4092	0.0931	0.0000	371.7357
Total	**0.2221**	**2.0324**	**2.2507**	**4.2800e-003**		**0.0876**	**0.0876**		**0.0823**	**0.0823**	**0.0000**	**369.4092**	**369.4092**	**0.0931**	**0.0000**	**371.7357**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2028

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	1.5500e-003	0.0614	0.0219	2.6000e-004	9.8300e-003	3.0000e-004	0.0101	2.8400e-003	2.9000e-004	3.1300e-003	0.0000	25.8931	25.8931	9.7000e-004	3.7400e-003	27.0314
Worker	0.0236	0.0156	0.2517	8.3000e-004	0.1111	5.1000e-004	0.1116	0.0295	4.7000e-004	0.0300	0.0000	76.2900	76.2900	1.4700e-003	1.7000e-003	76.8348
Total	**0.0251**	**0.0770**	**0.2736**	**1.0900e-003**	**0.1209**	**8.1000e-004**	**0.1218**	**0.0324**	**7.6000e-004**	**0.0331**	**0.0000**	**102.1831**	**102.1831**	**2.4400e-003**	**5.4400e-003**	**103.8661**

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	0.0560	0.5423	2.4926	4.0900e-003		6.3900e-003	6.3900e-003		6.3900e-003	6.3900e-003	0.0000	357.4936	357.4936	0.0918	0.0000	359.7892
Total	**0.0560**	**0.5423**	**2.4926**	**4.0900e-003**		**6.3900e-003**	**6.3900e-003**		**6.3900e-003**	**6.3900e-003**	**0.0000**	**357.4936**	**357.4936**	**0.0918**	**0.0000**	**359.7892**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2028

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	1.5500e-003	0.0614	0.0219	2.6000e-004	9.8300e-003	3.0000e-004	0.0101	2.8400e-003	2.9000e-004	3.1300e-003	0.0000	25.8931	25.8931	9.7000e-004	3.7400e-003	27.0314
Worker	0.0236	0.0156	0.2517	8.3000e-004	0.1111	5.1000e-004	0.1116	0.0295	4.7000e-004	0.0300	0.0000	76.2900	76.2900	1.4700e-003	1.7000e-003	76.8348
Total	**0.0251**	**0.0770**	**0.2736**	**1.0900e-003**	**0.1209**	**8.1000e-004**	**0.1218**	**0.0324**	**7.6000e-004**	**0.0331**	**0.0000**	**102.1831**	**102.1831**	**2.4400e-003**	**5.4400e-003**	**103.8661**

3.3 Building Construction - 2029

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	0.0444	0.4065	0.4501	8.6000e-004		0.0175	0.0175		0.0165	0.0165	0.0000	73.8819	73.8819	0.0186	0.0000	74.3471
Total	**0.0444**	**0.4065**	**0.4501**	**8.6000e-004**		**0.0175**	**0.0175**		**0.0165**	**0.0165**	**0.0000**	**73.8819**	**73.8819**	**0.0186**	**0.0000**	**74.3471**

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3.3 Building Construction - 2029

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	3.0000e-004	0.0122	4.3400e-003	5.0000e-005	1.9700e-003	6.0000e-005	2.0300e-003	5.7000e-004	6.0000e-005	6.2000e-004	0.0000	5.0817	5.0817	2.0000e-004	7.3000e-004	5.3052
Worker	4.4500e-003	2.8800e-003	0.0480	1.6000e-004	0.0222	1.0000e-004	0.0223	5.9000e-003	9.0000e-005	5.9900e-003	0.0000	14.9056	14.9056	2.7000e-004	3.3000e-004	15.0098
Total	**4.7500e-003**	**0.0151**	**0.0524**	**2.1000e-004**	**0.0242**	**1.6000e-004**	**0.0244**	**6.4700e-003**	**1.5000e-004**	**6.6100e-003**	**0.0000**	**19.9872**	**19.9872**	**4.7000e-004**	**1.0600e-003**	**20.3150**

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	0.0112	0.1085	0.4985	8.2000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	71.4987	71.4987	0.0184	0.0000	71.9578
Total	**0.0112**	**0.1085**	**0.4985**	**8.2000e-004**		**1.2800e-003**	**1.2800e-003**		**1.2800e-003**	**1.2800e-003**	**0.0000**	**71.4987**	**71.4987**	**0.0184**	**0.0000**	**71.9578**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2029

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	3.0000e-004	0.0122	4.3400e-003	5.0000e-005	1.9700e-003	6.0000e-005	2.0300e-003	5.7000e-004	6.0000e-005	6.2000e-004	0.0000	5.0817	5.0817	2.0000e-004	7.3000e-004	5.3052
Worker	4.4500e-003	2.8800e-003	0.0480	1.6000e-004	0.0222	1.0000e-004	0.0223	5.9000e-003	9.0000e-005	5.9900e-003	0.0000	14.9056	14.9056	2.7000e-004	3.3000e-004	15.0098
Total	**4.7500e-003**	**0.0151**	**0.0524**	**2.1000e-004**	**0.0242**	**1.6000e-004**	**0.0244**	**6.4700e-003**	**1.5000e-004**	**6.6100e-003**	**0.0000**	**19.9872**	**19.9872**	**4.7000e-004**	**1.0600e-003**	**20.3150**

3.4 Architectural Coating - 2028

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	0.2672					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1208	0.7979	1.0199	1.8500e-003		0.0342	0.0342		0.0342	0.0342	0.0000	145.8759	145.8759	9.8100e-003	0.0000	146.1213
Total	**0.3880**	**0.7979**	**1.0199**	**1.8500e-003**		**0.0342**	**0.0342**		**0.0342**	**0.0342**	**0.0000**	**145.8759**	**145.8759**	**9.8100e-003**	**0.0000**	**146.1213**

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3.4 Architectural Coating - 2028

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	3.8700e-003	2.5600e-003	0.0413	1.4000e-004	0.0182	8.0000e-005	0.0183	4.8400e-003	8.0000e-005	4.9200e-003	0.0000	12.5194	12.5194	2.4000e-004	2.8000e-004	12.6088
Total	**3.8700e-003**	**2.5600e-003**	**0.0413**	**1.4000e-004**	**0.0182**	**8.0000e-005**	**0.0183**	**4.8400e-003**	**8.0000e-005**	**4.9200e-003**	**0.0000**	**12.5194**	**12.5194**	**2.4000e-004**	**2.8000e-004**	**12.6088**

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	0.2672					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0536	0.7623	1.4100e-003		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	117.2793	117.2793	6.8500e-003	0.0000	117.4505
Total	**0.2796**	**0.0536**	**0.7623**	**1.4100e-003**		**1.6500e-003**	**1.6500e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**117.2793**	**117.2793**	**6.8500e-003**	**0.0000**	**117.4505**

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3.4 Architectural Coating - 2028

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	3.8700e-003	2.5600e-003	0.0413	1.4000e-004	0.0182	8.0000e-005	0.0183	4.8400e-003	8.0000e-005	4.9200e-003	0.0000	12.5194	12.5194	2.4000e-004	2.8000e-004	12.6088
Total	**3.8700e-003**	**2.5600e-003**	**0.0413**	**1.4000e-004**	**0.0182**	**8.0000e-005**	**0.0183**	**4.8400e-003**	**8.0000e-005**	**4.9200e-003**	**0.0000**	**12.5194**	**12.5194**	**2.4000e-004**	**2.8000e-004**	**12.6088**

3.4 Architectural Coating - 2029

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	0.0707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0319	0.2110	0.2697	4.9000e-004		9.0400e-003	9.0400e-003		9.0400e-003	9.0400e-003	0.0000	38.5730	38.5730	2.6000e-003	0.0000	38.6378
Total	**0.1026**	**0.2110**	**0.2697**	**4.9000e-004**		**9.0400e-003**	**9.0400e-003**		**9.0400e-003**	**9.0400e-003**	**0.0000**	**38.5730**	**38.5730**	**2.6000e-003**	**0.0000**	**38.6378**

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3.4 Architectural Coating - 2029

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	9.7000e-004	6.3000e-004	0.0104	4.0000e-005	4.8200e-003	2.0000e-005	4.8400e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.2340	3.2340	6.0000e-005	7.0000e-005	3.2566
Total	**9.7000e-004**	**6.3000e-004**	**0.0104**	**4.0000e-005**	**4.8200e-003**	**2.0000e-005**	**4.8400e-003**	**1.2800e-003**	**2.0000e-005**	**1.3000e-003**	**0.0000**	**3.2340**	**3.2340**	**6.0000e-005**	**7.0000e-005**	**3.2566**

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	0.0707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2700e-003	0.0142	0.2016	3.7000e-004		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	31.0114	31.0114	1.8100e-003	0.0000	31.0566
Total	**0.0739**	**0.0142**	**0.2016**	**3.7000e-004**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**	**0.0000**	**31.0114**	**31.0114**	**1.8100e-003**	**0.0000**	**31.0566**

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3.4 Architectural Coating - 2029

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	9.7000e-004	6.3000e-004	0.0104	4.0000e-005	4.8200e-003	2.0000e-005	4.8400e-003	1.2800e-003	2.0000e-005	1.3000e-003	0.0000	3.2340	3.2340	6.0000e-005	7.0000e-005	3.2566
Total	**9.7000e-004**	**6.3000e-004**	**0.0104**	**4.0000e-005**	**4.8200e-003**	**2.0000e-005**	**4.8400e-003**	**1.2800e-003**	**2.0000e-005**	**1.3000e-003**	**0.0000**	**3.2340**	**3.2340**	**6.0000e-005**	**7.0000e-005**	**3.2566**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1843	0.1875	1.8183	4.0000e-003	0.4929	2.6100e-003	0.4955	0.1315	2.4200e-003	0.1340	0.0000	370.0124	370.0124	0.0264	0.0163	375.5226
Unmitigated	0.1843	0.1875	1.8183	4.0000e-003	0.4929	2.6100e-003	0.4955	0.1315	2.4200e-003	0.1340	0.0000	370.0124	370.0124	0.0264	0.0163	375.5226

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	423.36	423.36	423.36	1,311,417	1,311,417
Total	423.36	423.36	423.36	1,311,417	1,311,417

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529534	0.067658	0.193471	0.126518	0.024260	0.006985	0.011675	0.007885	0.000939	0.000569	0.026493	0.000724	0.003288

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5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	67.5517	67.5517	5.7000e-003	6.9000e-004	67.9001
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	67.5517	67.5517	5.7000e-003	6.9000e-004	67.9001
NaturalGas Mitigated	4.2000e-003	0.0359	0.0153	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	41.5419	41.5419	8.0000e-004	7.6000e-004	41.7888
NaturalGas Unmitigated	4.2000e-003	0.0359	0.0153	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	41.5419	41.5419	8.0000e-004	7.6000e-004	41.7888

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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	778466	4.2000e-003	0.0359	0.0153	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	41.5419	41.5419	8.0000e-004	7.6000e-004	41.7888
Total		**4.2000e-003**	**0.0359**	**0.0153**	**2.3000e-004**		**2.9000e-003**	**2.9000e-003**		**2.9000e-003**	**2.9000e-003**	**0.0000**	**41.5419**	**41.5419**	**8.0000e-004**	**7.6000e-004**	**41.7888**

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	778466	4.2000e-003	0.0359	0.0153	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	41.5419	41.5419	8.0000e-004	7.6000e-004	41.7888
Total		**4.2000e-003**	**0.0359**	**0.0153**	**2.3000e-004**		**2.9000e-003**	**2.9000e-003**		**2.9000e-003**	**2.9000e-003**	**0.0000**	**41.5419**	**41.5419**	**8.0000e-004**	**7.6000e-004**	**41.7888**

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	380904	67.5517	5.7000e-003	6.9000e-004	67.9001
Total		**67.5517**	**5.7000e-003**	**6.9000e-004**	**67.9001**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	380904	67.5517	5.7000e-003	6.9000e-004	67.9001
Total		**67.5517**	**5.7000e-003**	**6.9000e-004**	**67.9001**

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive 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	0.4573	0.0128	1.1108	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8193	1.8193	1.7300e-003	0.0000	1.8627
Unmitigated	0.4573	0.0128	1.1108	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8193	1.8193	1.7300e-003	0.0000	1.8627

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	0.0338					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3903					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	0.0332	0.0128	1.1108	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8193	1.8193	1.7300e-003	0.0000	1.8627
Total	**0.4573**	**0.0128**	**1.1108**	**6.0000e-005**		**6.1800e-003**	**6.1800e-003**		**6.1800e-003**	**6.1800e-003**	**0.0000**	**1.8193**	**1.8193**	**1.7300e-003**	**0.0000**	**1.8627**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0338					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3903					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	0.0332	0.0128	1.1108	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8193	1.8193	1.7300e-003	0.0000	1.8627
Total	**0.4573**	**0.0128**	**1.1108**	**6.0000e-005**		**6.1800e-003**	**6.1800e-003**		**6.1800e-003**	**6.1800e-003**	**0.0000**	**1.8193**	**1.8193**	**1.7300e-003**	**0.0000**	**1.8627**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	27.2221	0.2314	5.6700e-003	34.6966
Unmitigated	27.2221	0.2314	5.6700e-003	34.6966

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	7.03663 / 4.43614	27.2221	0.2314	5.6700e-003	34.6966
Total		**27.2221**	**0.2314**	**5.6700e-003**	**34.6966**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	7.03663 / 4.43614	27.2221	0.2314	5.6700e-003	34.6966
Total		**27.2221**	**0.2314**	**5.6700e-003**	**34.6966**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.0846	0.5960	0.0000	24.9842
Unmitigated	10.0846	0.5960	0.0000	24.9842

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	49.68	10.0846	0.5960	0.0000	24.9842
Total		**10.0846**	**0.5960**	**0.0000**	**24.9842**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	49.68	10.0846	0.5960	0.0000	24.9842
Total		**10.0846**	**0.5960**	**0.0000**	**24.9842**

9.0 Operational Offroad

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation - Phase 2 - Rehab

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	108.00	Dwelling Unit	3.60	108,000.00	309

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	263.00
tblConstructionPhase	NumDays	230.00	527.00
tblConstructionPhase	NumDays	20.00	46.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	91.80	0.00
tblFireplaces	NumberNoFireplace	10.80	108.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberWood	5.40	0.00
tblLandUse	LotAcreage	2.84	3.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	NumberCatalytic	5.40	0.00
tblWoodstoves	NumberNoncatalytic	5.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2027	3.1938	26.4415	44.4710	0.0807	0.9487	1.1264	1.9106	0.2534	1.0665	1.2392	0.0000	7,784.2591	7,784.2591	1.6993	0.0462	7,832.9446
2028	5.6696	23.8713	29.7319	0.0607	1.1276	1.0090	2.1365	0.3008	0.9679	1.2687	0.0000	5,705.1746	5,705.1746	0.9150	0.0478	5,742.2784
2029	5.6567	23.8585	29.6166	0.0605	1.1276	1.0086	2.1362	0.3008	0.9676	1.2684	0.0000	5,682.3269	5,682.3269	0.9139	0.0465	5,719.0346
Maximum	**5.6696**	**26.4415**	**44.4710**	**0.0807**	**1.1276**	**1.1264**	**2.1365**	**0.3008**	**1.0665**	**1.2687**	**0.0000**	**7,784.2591**	**7,784.2591**	**1.6993**	**0.0478**	**7,832.9446**

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					
2027	1.4204	11.3117	51.0923	0.0807	0.9487	0.3168	1.1010	0.2534	0.2993	0.4720	0.0000	7,784.2591	7,784.2591	1.6993	0.0462	7,832.9446
2028	3.3501	5.2631	29.1123	0.0550	1.1276	0.0720	1.1996	0.3008	0.0715	0.3723	0.0000	5,301.0441	5,301.0441	0.8730	0.0478	5,337.0990
2029	3.3372	5.2502	28.9970	0.0548	1.1276	0.0717	1.1992	0.3008	0.0712	0.3720	0.0000	5,278.1963	5,278.1963	0.8720	0.0465	5,313.8552
Maximum	**3.3501**	**11.3117**	**51.0923**	**0.0807**	**1.1276**	**0.3168**	**1.1996**	**0.3008**	**0.2993**	**0.4720**	**0.0000**	**7,784.2591**	**7,784.2591**	**1.6993**	**0.0478**	**7,832.9446**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	44.16	70.58	-5.18	5.63	0.00	85.36	43.40	0.00	85.28	67.79	0.00	4.22	4.22	2.38	0.00	4.20

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258
Energy	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Mobile	1.0499	0.9439	10.0346	0.0227	2.7621	0.0143	2.7764	0.7359	0.0133	0.7492		2,313.0543	2,313.0543	0.1563	0.0942	2,345.0351
Total	**3.6622**	**1.2429**	**19.0048**	**0.0244**	**2.7621**	**0.0796**	**2.8417**	**0.7359**	**0.0786**	**0.8145**	**0.0000**	**2,580.0137**	**2,580.0137**	**0.1764**	**0.0988**	**2,613.8677**

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	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258
Energy	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Mobile	1.0499	0.9439	10.0346	0.0227	2.7621	0.0143	2.7764	0.7359	0.0133	0.7492		2,313.0543	2,313.0543	0.1563	0.0942	2,345.0351
Total	**3.6622**	**1.2429**	**19.0048**	**0.0244**	**2.7621**	**0.0796**	**2.8417**	**0.7359**	**0.0786**	**0.8145**	**0.0000**	**2,580.0137**	**2,580.0137**	**0.1764**	**0.0988**	**2,613.8677**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2027	3/5/2027	5	46	
2	Building Construction	Building Construction	3/6/2027	3/13/2029	5	527	
3	Architectural Coating	Architectural Coating	3/15/2028	3/16/2029	5	263	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 218,700; Residential Outdoor: 72,900; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	66.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	78.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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					0.3120	0.0000	0.3120	0.0472	0.0000	0.0472			0.0000			0.0000
Off-Road	3.0920	26.1995	43.3129	0.0764		1.1231	1.1231		1.0633	1.0633		7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**3.0920**	**26.1995**	**43.3129**	**0.0764**	**0.3120**	**1.1231**	**1.4351**	**0.0472**	**1.0633**	**1.1106**		**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

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	3.0000e-003	0.1827	0.0526	7.8000e-004	0.0251	1.1800e-003	0.0263	6.8900e-003	1.1300e-003	8.0100e-003		85.7924	85.7924	5.2700e-003	0.0136	89.9901
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
Worker	0.0988	0.0593	1.1055	3.5000e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		353.8948	353.8948	6.8200e-003	7.1700e-003	356.2024
Total	**0.1018**	**0.2420**	**1.1581**	**4.2800e-003**	**0.4722**	**3.3600e-003**	**0.4756**	**0.1255**	**3.1400e-003**	**0.1286**		**439.6872**	**439.6872**	**0.0121**	**0.0208**	**446.1925**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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					0.3120	0.0000	0.3120	0.0472	0.0000	0.0472			0.0000			0.0000
Off-Road	1.3186	11.0697	49.9343	0.0764		0.3134	0.3134		0.2961	0.2961	0.0000	7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**1.3186**	**11.0697**	**49.9343**	**0.0764**	**0.3120**	**0.3134**	**0.6254**	**0.0472**	**0.2961**	**0.3434**	**0.0000**	**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

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	3.0000e-003	0.1827	0.0526	7.8000e-004	0.0251	1.1800e-003	0.0263	6.8900e-003	1.1300e-003	8.0100e-003		85.7924	85.7924	5.2700e-003	0.0136	89.9901
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
Worker	0.0988	0.0593	1.1055	3.5000e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		353.8948	353.8948	6.8200e-003	7.1700e-003	356.2024
Total	**0.1018**	**0.2420**	**1.1581**	**4.2800e-003**	**0.4722**	**3.3600e-003**	**0.4756**	**0.1255**	**3.1400e-003**	**0.1286**		**439.6872**	**439.6872**	**0.0121**	**0.0208**	**446.1925**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	0.0124	0.4526	0.1670	2.0700e-003	0.0769	2.3200e-003	0.0792	0.0221	2.2200e-003	0.0244		223.6628	223.6628	8.2100e-003	0.0323	233.4805
Worker	0.1926	0.1157	2.1556	6.8300e-003	0.8719	4.2500e-003	0.8761	0.2312	3.9100e-003	0.2351		690.0949	690.0949	0.0133	0.0140	694.5946
Total	**0.2050**	**0.5683**	**2.3227**	**8.9000e-003**	**0.9487**	**6.5700e-003**	**0.9553**	**0.2534**	**6.1300e-003**	**0.2595**		**913.7577**	**913.7577**	**0.0215**	**0.0462**	**928.0751**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	0.0124	0.4526	0.1670	2.0700e-003	0.0769	2.3200e-003	0.0792	0.0221	2.2200e-003	0.0244		223.6628	223.6628	8.2100e-003	0.0323	233.4805
Worker	0.1926	0.1157	2.1556	6.8300e-003	0.8719	4.2500e-003	0.8761	0.2312	3.9100e-003	0.2351		690.0949	690.0949	0.0133	0.0140	694.5946
Total	**0.2050**	**0.5683**	**2.3227**	**8.9000e-003**	**0.9487**	**6.5700e-003**	**0.9553**	**0.2534**	**6.1300e-003**	**0.2595**		**913.7577**	**913.7577**	**0.0215**	**0.0462**	**928.0751**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2028

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	0.0122	0.4496	0.1656	2.0300e-003	0.0769	2.3100e-003	0.0792	0.0221	2.2100e-003	0.0243		219.3863	219.3863	8.2600e-003	0.0317	229.0247
Worker	0.1819	0.1065	2.0488	6.6500e-003	0.8719	3.9600e-003	0.8758	0.2312	3.6400e-003	0.2349		672.6481	672.6481	0.0122	0.0134	676.9338
Total	**0.1941**	**0.5561**	**2.2145**	**8.6800e-003**	**0.9487**	**6.2700e-003**	**0.9550**	**0.2534**	**5.8500e-003**	**0.2592**		**892.0343**	**892.0343**	**0.0205**	**0.0450**	**905.9585**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2028

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	0.0122	0.4496	0.1656	2.0300e-003	0.0769	2.3100e-003	0.0792	0.0221	2.2100e-003	0.0243		219.3863	219.3863	8.2600e-003	0.0317	229.0247
Worker	0.1819	0.1065	2.0488	6.6500e-003	0.8719	3.9600e-003	0.8758	0.2312	3.6400e-003	0.2349		672.6481	672.6481	0.0122	0.0134	676.9338
Total	**0.1941**	**0.5561**	**2.2145**	**8.6800e-003**	**0.9487**	**6.2700e-003**	**0.9550**	**0.2534**	**5.8500e-003**	**0.2592**		**892.0343**	**892.0343**	**0.0205**	**0.0450**	**905.9585**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2029

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	0.0120	0.4465	0.1645	1.9900e-003	0.0769	2.2900e-003	0.0792	0.0221	2.1900e-003	0.0243		215.2768	215.2768	8.3300e-003	0.0311	224.7429
Worker	0.1714	0.0984	1.9541	6.5000e-003	0.8719	3.6900e-003	0.8756	0.2312	3.4000e-003	0.2346		657.0993	657.0993	0.0113	0.0128	661.1994
Total	**0.1834**	**0.5449**	**2.1186**	**8.4900e-003**	**0.9487**	**5.9800e-003**	**0.9547**	**0.2534**	**5.5900e-003**	**0.2590**		**872.3761**	**872.3761**	**0.0196**	**0.0439**	**885.9423**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2029

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	0.0120	0.4465	0.1645	1.9900e-003	0.0769	2.2900e-003	0.0792	0.0221	2.1900e-003	0.0243		215.2768	215.2768	8.3300e-003	0.0311	224.7429
Worker	0.1714	0.0984	1.9541	6.5000e-003	0.8719	3.6900e-003	0.8756	0.2312	3.4000e-003	0.2346		657.0993	657.0993	0.0113	0.0128	661.1994
Total	**0.1834**	**0.5449**	**2.1186**	**8.4900e-003**	**0.9487**	**5.9800e-003**	**0.9547**	**0.2534**	**5.5900e-003**	**0.2590**		**872.3761**	**872.3761**	**0.0196**	**0.0439**	**885.9423**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2028

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**3.7308**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0373	0.0219	0.4203	1.3700e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		137.9791	137.9791	2.5100e-003	2.7400e-003	138.8582
Total	**0.0373**	**0.0219**	**0.4203**	**1.3700e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**137.9791**	**137.9791**	**2.5100e-003**	**2.7400e-003**	**138.8582**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2028

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**2.6884**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0373	0.0219	0.4203	1.3700e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		137.9791	137.9791	2.5100e-003	2.7400e-003	138.8582
Total	**0.0373**	**0.0219**	**0.4203**	**1.3700e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**137.9791**	**137.9791**	**2.5100e-003**	**2.7400e-003**	**138.8582**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2029

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**3.7308**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0352	0.0202	0.4008	1.3300e-003	0.1788	7.6000e-004	0.1796	0.0474	7.0000e-004	0.0481		134.7896	134.7896	2.3100e-003	2.6300e-003	135.6306
Total	**0.0352**	**0.0202**	**0.4008**	**1.3300e-003**	**0.1788**	**7.6000e-004**	**0.1796**	**0.0474**	**7.0000e-004**	**0.0481**		**134.7896**	**134.7896**	**2.3100e-003**	**2.6300e-003**	**135.6306**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2029

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**2.6884**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0352	0.0202	0.4008	1.3300e-003	0.1788	7.6000e-004	0.1796	0.0474	7.0000e-004	0.0481		134.7896	134.7896	2.3100e-003	2.6300e-003	135.6306
Total	**0.0352**	**0.0202**	**0.4008**	**1.3300e-003**	**0.1788**	**7.6000e-004**	**0.1796**	**0.0474**	**7.0000e-004**	**0.0481**		**134.7896**	**134.7896**	**2.3100e-003**	**2.6300e-003**	**135.6306**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.0499	0.9439	10.0346	0.0227	2.7621	0.0143	2.7764	0.7359	0.0133	0.7492		2,313.0543	2,313.0543	0.1563	0.0942	2,345.0351
Unmitigated	1.0499	0.9439	10.0346	0.0227	2.7621	0.0143	2.7764	0.7359	0.0133	0.7492		2,313.0543	2,313.0543	0.1563	0.0942	2,345.0351

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	423.36	423.36	423.36	1,311,417	1,311,417
Total	423.36	423.36	423.36	1,311,417	1,311,417

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529534	0.067658	0.193471	0.126518	0.024260	0.006985	0.011675	0.007885	0.000939	0.000569	0.026493	0.000724	0.003288

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
NaturalGas Unmitigated	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068

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	2132.78	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Total		**0.0230**	**0.1966**	**0.0836**	**1.2500e-003**		**0.0159**	**0.0159**		**0.0159**	**0.0159**		**250.9158**	**250.9158**	**4.8100e-003**	**4.6000e-003**	**252.4068**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.13278	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Total		**0.0230**	**0.1966**	**0.0836**	**1.2500e-003**		**0.0159**	**0.0159**		**0.0159**	**0.0159**		**250.9158**	**250.9158**	**4.8100e-003**	**4.6000e-003**	**252.4068**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258
Unmitigated	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1384					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	0.2658	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0437	16.0437	0.0153		16.4258
Total	**2.5894**	**0.1025**	**8.8866**	**4.7000e-004**		**0.0494**	**0.0494**		**0.0494**	**0.0494**	**0.0000**	**16.0437**	**16.0437**	**0.0153**	**0.0000**	**16.4258**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1384					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	0.2658	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0437	16.0437	0.0153		16.4258
Total	**2.5894**	**0.1025**	**8.8866**	**4.7000e-004**		**0.0494**	**0.0494**		**0.0494**	**0.0494**	**0.0000**	**16.0437**	**16.0437**	**0.0153**	**0.0000**	**16.4258**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation - Phase 2 - Rehab

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	108.00	Dwelling Unit	3.60	108,000.00	309

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	263.00
tblConstructionPhase	NumDays	230.00	527.00
tblConstructionPhase	NumDays	20.00	46.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	91.80	0.00
tblFireplaces	NumberNoFireplace	10.80	108.00

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberWood	5.40	0.00
tblLandUse	LotAcreage	2.84	3.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	NumberCatalytic	5.40	0.00
tblWoodstoves	NumberNoncatalytic	5.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2027	3.2024	26.4558	44.3850	0.0805	0.9487	1.1264	1.9106	0.2534	1.0665	1.2392	0.0000	7,765.8230	7,765.8230	1.6994	0.0473	7,814.6590
2028	5.6891	23.9059	29.5448	0.0603	1.1276	1.0090	2.1365	0.3008	0.9679	1.2687	0.0000	5,663.1632	5,663.1632	0.9153	0.0489	5,700.6174
2029	5.6757	23.8919	29.4390	0.0601	1.1276	1.0086	2.1362	0.3008	0.9676	1.2684	0.0000	5,641.3106	5,641.3106	0.9142	0.0476	5,678.3539
Maximum	**5.6891**	**26.4558**	**44.3850**	**0.0805**	**1.1276**	**1.1264**	**2.1365**	**0.3008**	**1.0665**	**1.2687**	**0.0000**	**7,765.8230**	**7,765.8230**	**1.6994**	**0.0489**	**7,814.6590**

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					
2027	1.4290	11.3259	51.0064	0.0805	0.9487	0.3168	1.1010	0.2534	0.2993	0.4720	0.0000	7,765.8230	7,765.8230	1.6994	0.0473	7,814.6590
2028	3.3696	5.2976	28.9252	0.0546	1.1276	0.0720	1.1996	0.3008	0.0715	0.3723	0.0000	5,259.0327	5,259.0327	0.8733	0.0489	5,295.4379
2029	3.3561	5.2836	28.8194	0.0544	1.1276	0.0717	1.1992	0.3008	0.0712	0.3720	0.0000	5,237.1801	5,237.1801	0.8722	0.0476	5,273.1745
Maximum	**3.3696**	**11.3259**	**51.0064**	**0.0805**	**1.1276**	**0.3168**	**1.1996**	**0.3008**	**0.2993**	**0.4720**	**0.0000**	**7,765.8230**	**7,765.8230**	**1.6994**	**0.0489**	**7,814.6590**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	44.02	70.50	-5.21	5.65	0.00	85.35	43.40	0.00	85.28	67.79	0.00	4.24	4.24	2.38	0.00	4.22

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258
Energy	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Mobile	1.0289	1.0177	9.9300	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492		2,218.3357	2,218.3357	0.1605	0.0981	2,251.5796
Total	**3.6413**	**1.3167**	**18.9002**	**0.0235**	**2.7621**	**0.0797**	**2.8417**	**0.7359**	**0.0786**	**0.8145**	**0.0000**	**2,485.2952**	**2,485.2952**	**0.1806**	**0.1027**	**2,520.4122**

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	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258
Energy	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Mobile	1.0289	1.0177	9.9300	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492		2,218.3357	2,218.3357	0.1605	0.0981	2,251.5796
Total	**3.6413**	**1.3167**	**18.9002**	**0.0235**	**2.7621**	**0.0797**	**2.8417**	**0.7359**	**0.0786**	**0.8145**	**0.0000**	**2,485.2952**	**2,485.2952**	**0.1806**	**0.1027**	**2,520.4122**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2027	3/5/2027	5	46	
2	Building Construction	Building Construction	3/6/2027	3/13/2029	5	527	
3	Architectural Coating	Architectural Coating	3/15/2028	3/16/2029	5	263	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 218,700; Residential Outdoor: 72,900; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	66.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	78.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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					0.3120	0.0000	0.3120	0.0472	0.0000	0.0472			0.0000			0.0000
Off-Road	3.0920	26.1995	43.3129	0.0764		1.1231	1.1231		1.0633	1.0633		7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**3.0920**	**26.1995**	**43.3129**	**0.0764**	**0.3120**	**1.1231**	**1.4351**	**0.0472**	**1.0633**	**1.1106**		**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

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	2.8000e-003	0.1908	0.0533	7.8000e-004	0.0251	1.1800e-003	0.0263	6.8900e-003	1.1300e-003	8.0200e-003		85.8874	85.8874	5.2600e-003	0.0137	90.0895
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
Worker	0.1075	0.0655	1.0189	3.3200e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		335.3637	335.3637	6.9500e-003	7.6500e-003	337.8174
Total	**0.1103**	**0.2562**	**1.0721**	**4.1000e-003**	**0.4722**	**3.3600e-003**	**0.4756**	**0.1255**	**3.1400e-003**	**0.1286**		**421.2511**	**421.2511**	**0.0122**	**0.0213**	**427.9068**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

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					0.3120	0.0000	0.3120	0.0472	0.0000	0.0472			0.0000			0.0000
Off-Road	1.3186	11.0697	49.9343	0.0764		0.3134	0.3134		0.2961	0.2961	0.0000	7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**1.3186**	**11.0697**	**49.9343**	**0.0764**	**0.3120**	**0.3134**	**0.6254**	**0.0472**	**0.2961**	**0.3434**	**0.0000**	**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

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	2.8000e-003	0.1908	0.0533	7.8000e-004	0.0251	1.1800e-003	0.0263	6.8900e-003	1.1300e-003	8.0200e-003		85.8874	85.8874	5.2600e-003	0.0137	90.0895
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
Worker	0.1075	0.0655	1.0189	3.3200e-003	0.4471	2.1800e-003	0.4493	0.1186	2.0100e-003	0.1206		335.3637	335.3637	6.9500e-003	7.6500e-003	337.8174
Total	**0.1103**	**0.2562**	**1.0721**	**4.1000e-003**	**0.4722**	**3.3600e-003**	**0.4756**	**0.1255**	**3.1400e-003**	**0.1286**		**421.2511**	**421.2511**	**0.0122**	**0.0213**	**427.9068**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	0.0119	0.4740	0.1724	2.0800e-003	0.0769	2.3300e-003	0.0792	0.0221	2.2300e-003	0.0244		224.0673	224.0673	8.1800e-003	0.0323	233.9089
Worker	0.2097	0.1277	1.9868	6.4700e-003	0.8719	4.2500e-003	0.8761	0.2312	3.9100e-003	0.2351		653.9592	653.9592	0.0135	0.0149	658.7439
Total	**0.2216**	**0.6017**	**2.1592**	**8.5500e-003**	**0.9487**	**6.5800e-003**	**0.9553**	**0.2534**	**6.1400e-003**	**0.2595**		**878.0264**	**878.0264**	**0.0217**	**0.0473**	**892.6528**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2027

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	0.0119	0.4740	0.1724	2.0800e-003	0.0769	2.3300e-003	0.0792	0.0221	2.2300e-003	0.0244		224.0673	224.0673	8.1800e-003	0.0323	233.9089
Worker	0.2097	0.1277	1.9868	6.4700e-003	0.8719	4.2500e-003	0.8761	0.2312	3.9100e-003	0.2351		653.9592	653.9592	0.0135	0.0149	658.7439
Total	**0.2216**	**0.6017**	**2.1592**	**8.5500e-003**	**0.9487**	**6.5800e-003**	**0.9553**	**0.2534**	**6.1400e-003**	**0.2595**		**878.0264**	**878.0264**	**0.0217**	**0.0473**	**892.6528**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2028

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	0.0116	0.4709	0.1709	2.0300e-003	0.0769	2.3200e-003	0.0792	0.0221	2.2200e-003	0.0244		219.7880	219.7880	8.2300e-003	0.0317	229.4499
Worker	0.1986	0.1175	1.8892	6.3100e-003	0.8719	3.9600e-003	0.8758	0.2312	3.6400e-003	0.2349		637.4541	637.4541	0.0125	0.0143	642.0112
Total	**0.2102**	**0.5885**	**2.0601**	**8.3400e-003**	**0.9487**	**6.2800e-003**	**0.9550**	**0.2534**	**5.8600e-003**	**0.2592**		**857.2422**	**857.2422**	**0.0207**	**0.0460**	**871.4611**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2028

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	0.0116	0.4709	0.1709	2.0300e-003	0.0769	2.3200e-003	0.0792	0.0221	2.2200e-003	0.0244		219.7880	219.7880	8.2300e-003	0.0317	229.4499
Worker	0.1986	0.1175	1.8892	6.3100e-003	0.8719	3.9600e-003	0.8758	0.2312	3.6400e-003	0.2349		637.4541	637.4541	0.0125	0.0143	642.0112
Total	**0.2102**	**0.5885**	**2.0601**	**8.3400e-003**	**0.9487**	**6.2800e-003**	**0.9550**	**0.2534**	**5.8600e-003**	**0.2592**		**857.2422**	**857.2422**	**0.0207**	**0.0460**	**871.4611**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2029

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

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	0.0000
Vendor	0.0114	0.4677	0.1698	1.9900e-003	0.0769	2.3000e-003	0.0792	0.0221	2.2000e-003	0.0243		215.6757	215.6757	8.2900e-003	0.0312	225.1647
Worker	0.1876	0.1086	1.8024	6.1600e-003	0.8719	3.6900e-003	0.8756	0.2312	3.4000e-003	0.2346		622.7335	622.7335	0.0115	0.0137	627.0930
Total	**0.1990**	**0.5763**	**1.9722**	**8.1500e-003**	**0.9487**	**5.9900e-003**	**0.9547**	**0.2534**	**5.6000e-003**	**0.2590**		**838.4092**	**838.4092**	**0.0198**	**0.0448**	**852.2577**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2029

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	0.4303	4.1700	19.1479	0.0315		0.0491	0.0491		0.0491	0.0491	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.4303**	**4.1700**	**19.1479**	**0.0315**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

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	0.0000
Vendor	0.0114	0.4677	0.1698	1.9900e-003	0.0769	2.3000e-003	0.0792	0.0221	2.2000e-003	0.0243		215.6757	215.6757	8.2900e-003	0.0312	225.1647
Worker	0.1876	0.1086	1.8024	6.1600e-003	0.8719	3.6900e-003	0.8756	0.2312	3.4000e-003	0.2346		622.7335	622.7335	0.0115	0.0137	627.0930
Total	**0.1990**	**0.5763**	**1.9722**	**8.1500e-003**	**0.9487**	**5.9900e-003**	**0.9547**	**0.2534**	**5.6000e-003**	**0.2590**		**838.4092**	**838.4092**	**0.0198**	**0.0448**	**852.2577**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2028

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**3.7308**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0407	0.0241	0.3875	1.2900e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		130.7598	130.7598	2.5600e-003	2.9200e-003	131.6946
Total	**0.0407**	**0.0241**	**0.3875**	**1.2900e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**130.7598**	**130.7598**	**2.5600e-003**	**2.9200e-003**	**131.6946**

OSP - Partial Preservation - Phase 2 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2028

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**2.6884**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0407	0.0241	0.3875	1.2900e-003	0.1788	8.1000e-004	0.1797	0.0474	7.5000e-004	0.0482		130.7598	130.7598	2.5600e-003	2.9200e-003	131.6946
Total	**0.0407**	**0.0241**	**0.3875**	**1.2900e-003**	**0.1788**	**8.1000e-004**	**0.1797**	**0.0474**	**7.5000e-004**	**0.0482**		**130.7598**	**130.7598**	**2.5600e-003**	**2.9200e-003**	**131.6946**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2029

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**3.7308**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

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	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
Worker	0.0385	0.0223	0.3697	1.2600e-003	0.1788	7.6000e-004	0.1796	0.0474	7.0000e-004	0.0481		127.7402	127.7402	2.3600e-003	2.8000e-003	128.6345
Total	**0.0385**	**0.0223**	**0.3697**	**1.2600e-003**	**0.1788**	**7.6000e-004**	**0.1796**	**0.0474**	**7.0000e-004**	**0.0481**		**127.7402**	**127.7402**	**2.3600e-003**	**2.8000e-003**	**128.6345**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2029

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	2.5695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**2.6884**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

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	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
Worker	0.0385	0.0223	0.3697	1.2600e-003	0.1788	7.6000e-004	0.1796	0.0474	7.0000e-004	0.0481		127.7402	127.7402	2.3600e-003	2.8000e-003	128.6345
Total	**0.0385**	**0.0223**	**0.3697**	**1.2600e-003**	**0.1788**	**7.6000e-004**	**0.1796**	**0.0474**	**7.0000e-004**	**0.0481**		**127.7402**	**127.7402**	**2.3600e-003**	**2.8000e-003**	**128.6345**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.0289	1.0177	9.9300	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492		2,218.3357	2,218.3357	0.1605	0.0981	2,251.5796
Unmitigated	1.0289	1.0177	9.9300	0.0217	2.7621	0.0144	2.7764	0.7359	0.0133	0.7492		2,218.3357	2,218.3357	0.1605	0.0981	2,251.5796

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	423.36	423.36	423.36	1,311,417	1,311,417
Total	423.36	423.36	423.36	1,311,417	1,311,417

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529534	0.067658	0.193471	0.126518	0.024260	0.006985	0.011675	0.007885	0.000939	0.000569	0.026493	0.000724	0.003288

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
NaturalGas Unmitigated	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068

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	2132.78	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Total		**0.0230**	**0.1966**	**0.0836**	**1.2500e-003**		**0.0159**	**0.0159**		**0.0159**	**0.0159**		**250.9158**	**250.9158**	**4.8100e-003**	**4.6000e-003**	**252.4068**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.13278	0.0230	0.1966	0.0836	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.9158	250.9158	4.8100e-003	4.6000e-003	252.4068
Total		**0.0230**	**0.1966**	**0.0836**	**1.2500e-003**		**0.0159**	**0.0159**		**0.0159**	**0.0159**		**250.9158**	**250.9158**	**4.8100e-003**	**4.6000e-003**	**252.4068**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258
Unmitigated	2.5894	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494	0.0000	16.0437	16.0437	0.0153	0.0000	16.4258

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1384					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	0.2658	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0437	16.0437	0.0153		16.4258
Total	**2.5894**	**0.1025**	**8.8866**	**4.7000e-004**		**0.0494**	**0.0494**		**0.0494**	**0.0494**	**0.0000**	**16.0437**	**16.0437**	**0.0153**	**0.0000**	**16.4258**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1852					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1384					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	0.2658	0.1025	8.8866	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0437	16.0437	0.0153		16.4258
Total	**2.5894**	**0.1025**	**8.8866**	**4.7000e-004**		**0.0494**	**0.0494**		**0.0494**	**0.0494**	**0.0000**	**16.0437**	**16.0437**	**0.0153**	**0.0000**	**16.4258**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	343.00	Dwelling Unit	1.68	343,000.00	981
Strip Mall	17.00	1000sqft	0.39	17,000.00	0
General Office Building	23.00	1000sqft	0.53	23,000.00	0
Enclosed Parking with Elevator	499.00	Space	1.00	199,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Grading - See Assumptions

Demolition -

Trips and VMT - See assumptiosn

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	134.00
tblConstructionPhase	NumDays	230.00	269.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	18.00	8.00
tblConstructionPhase	NumDays	5.00	12.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	PhaseEndDate	3/5/2030	5/7/2030
tblConstructionPhase	PhaseEndDate	1/14/2030	5/3/2030
tblConstructionPhase	PhaseEndDate	1/26/2029	1/31/2029

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tblConstructionPhase	PhaseEndDate	2/14/2029	3/21/2029
tblConstructionPhase	PhaseEndDate	2/7/2030	5/3/2029
tblConstructionPhase	PhaseEndDate	2/2/2029	2/16/2029
tblConstructionPhase	PhaseEndDate	2/26/2029	4/23/2029
tblConstructionPhase	PhaseStartDate	2/8/2030	11/1/2029
tblConstructionPhase	PhaseStartDate	2/27/2029	4/24/2029
tblConstructionPhase	PhaseStartDate	2/3/2029	2/17/2029
tblConstructionPhase	PhaseStartDate	1/15/2030	4/24/2029
tblConstructionPhase	PhaseStartDate	1/27/2029	2/1/2029
tblConstructionPhase	PhaseStartDate	2/15/2029	3/22/2029
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	291.55	0.00
tblFireplaces	NumberNoFireplace	34.30	343.00
tblFireplaces	NumberWood	17.15	0.00
tblGrading	AcresOfGrading	23.00	8.00
tblGrading	AcresOfGrading	0.00	7.50
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	MaterialExported	0.00	68,486.00
tblLandUse	LotAcreage	9.03	1.68
tblLandUse	LotAcreage	4.49	1.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.46	0.46

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.30	0.30
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	8,561.00	4,280.00
tblVehicleTrips	CC_TL	8.40	12.00
tblVehicleTrips	CC_TL	8.40	12.00
tblVehicleTrips	CNW_TL	6.90	12.00
tblVehicleTrips	CNW_TL	6.90	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.52
tblVehicleTrips	HS_TL	5.90	8.52
tblVehicleTrips	HW_TL	14.70	8.52
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	30.70
tblVehicleTrips	ST_TR	42.04	30.70
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	30.70
tblVehicleTrips	SU_TR	20.43	30.70
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	30.70
tblVehicleTrips	WD_TR	44.32	30.70
tblWoodstoves	NumberCatalytic	17.15	0.00
tblWoodstoves	NumberNoncatalytic	17.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2029	0.8468	3.6029	4.9028	0.0123	0.5121	0.1325	0.6446	0.1312	0.1256	0.2568	0.0000	1,103.0989	1,103.0989	0.1565	0.0407	1,119.1322
2030	1.0342	0.8413	1.6754	4.5100e-003	0.2235	0.0200	0.2435	0.0598	0.0199	0.0798	0.0000	395.3526	395.3526	0.0140	0.0107	398.8843
Maximum	**1.0342**	**3.6029**	**4.9028**	**0.0123**	**0.5121**	**0.1325**	**0.6446**	**0.1312**	**0.1256**	**0.2568**	**0.0000**	**1,103.0989**	**1,103.0989**	**0.1565**	**0.0407**	**1,119.1322**

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					
2029	0.6486	1.7503	5.1233	0.0118	0.4851	0.0375	0.5225	0.1274	0.0370	0.1644	0.0000	1,064.8638	1,064.8638	0.1534	0.0407	1,080.8203
2030	0.9698	0.5822	1.6402	4.2500e-003	0.2235	9.2800e-003	0.2327	0.0598	9.1800e-003	0.0690	0.0000	378.7628	378.7628	0.0123	0.0107	382.2514
Maximum	**0.9698**	**1.7503**	**5.1233**	**0.0118**	**0.4851**	**0.0375**	**0.5225**	**0.1274**	**0.0370**	**0.1644**	**0.0000**	**1,064.8638**	**1,064.8638**	**0.1534**	**0.0407**	**1,080.8203**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**13.96**	**47.52**	**-2.82**	**4.65**	**3.67**	**69.37**	**14.96**	**1.98**	**68.31**	**30.66**	**0.00**	**3.66**	**3.66**	**2.81**	**0.00**	**3.62**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2029**	**3-31-2029**	1.4434	0.6724
2	**4-1-2029**	**6-30-2029**	0.9841	0.4129
3	**7-1-2029**	**9-30-2029**	0.7033	0.3863
4	**10-1-2029**	**12-31-2029**	1.3278	0.9330
5	**1-1-2030**	**3-31-2030**	1.3373	1.1062
6	**4-1-2030**	**6-30-2030**	0.5257	0.4359
		Highest	1.4434	1.1062

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.6317	0.0407	3.5347	1.9000e-004		0.0196	0.0196		0.0196	0.0196	0.0000	5.7914	5.7914	5.5400e-003	0.0000	5.9299
Energy	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	690.7423	690.7423	0.0574	7.1800e-003	694.3168
Mobile	1.2341	1.2802	12.6246	0.0284	3.5834	0.0179	3.6013	0.9563	0.0166	0.9729	0.0000	2,633.7253	2,633.7253	0.1828	0.1126	2,671.8503
Waste						0.0000	0.0000		0.0000	0.0000	39.9933	0.0000	39.9933	2.3635	0.0000	99.0817
Water						0.0000	0.0000		0.0000	0.0000	8.7863	98.1702	106.9565	0.9107	0.0223	136.3739
Total	**2.8672**	**1.3339**	**16.1702**	**0.0287**	**3.5834**	**0.0385**	**3.6219**	**0.9563**	**0.0372**	**0.9935**	**48.7796**	**3,428.4292**	**3,477.2088**	**3.5200**	**0.1421**	**3,607.5526**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.6317	0.0407	3.5347	1.9000e-004		0.0196	0.0196		0.0196	0.0196	0.0000	5.7914	5.7914	5.5400e-003	0.0000	5.9299
Energy	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	690.7423	690.7423	0.0574	7.1800e-003	694.3168
Mobile	1.2341	1.2802	12.6246	0.0284	3.5834	0.0179	3.6013	0.9563	0.0166	0.9729	0.0000	2,633.7253	2,633.7253	0.1828	0.1126	2,671.8503
Waste						0.0000	0.0000		0.0000	0.0000	39.9933	0.0000	39.9933	2.3635	0.0000	99.0817
Water						0.0000	0.0000		0.0000	0.0000	8.7863	98.1702	106.9565	0.9107	0.0223	136.3739
Total	**2.8672**	**1.3339**	**16.1702**	**0.0287**	**3.5834**	**0.0385**	**3.6219**	**0.9563**	**0.0372**	**0.9935**	**48.7796**	**3,428.4292**	**3,477.2088**	**3.5200**	**0.1421**	**3,607.5526**

	ROG	NOx	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	Demolition	Demolition	1/1/2029	1/31/2029	5	23	
2	Site Preparation	Site Preparation	2/1/2029	2/16/2029	5	12	
3	Grading	Grading	2/17/2029	3/21/2029	5	23	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Utilities and Trenching	Grading	3/22/2029	4/23/2029	5	23	
5	Building Construction	Building Construction	4/24/2029	5/3/2030	5	269	
6	Paving	Paving	4/24/2029	5/3/2029	5	8	
7	Architectural Coating	Architectural Coating	11/1/2029	5/7/2030	5	134	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 1

Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 11,976 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	3	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Excavators	4	8.00	158	0.38
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Demolition	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Generator Sets	2	8.00	84	0.74
Grading	Excavators	4	8.00	158	0.38
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Welders	4	8.00	46	0.45
Utilities and Trenching	Concrete/Industrial Saws	3	8.00	81	0.73
Utilities and Trenching	Air Compressors	2	8.00	78	0.48
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Generator Sets	2	8.00	84	0.74
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Architectural Coating	12	69.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	344.00	76.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	16	40.00	0.00	303.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	28	70.00	0.00	4,280.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	29	73.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

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					0.0328	0.0000	0.0328	4.9600e-003	0.0000	4.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0355	0.3009	0.4974	8.8000e-004		0.0129	0.0129		0.0122	0.0122	0.0000	76.5861	76.5861	0.0176	0.0000	77.0259
Total	**0.0355**	**0.3009**	**0.4974**	**8.8000e-004**	**0.0328**	**0.0129**	**0.0457**	**4.9600e-003**	**0.0122**	**0.0172**	**0.0000**	**76.5861**	**76.5861**	**0.0176**	**0.0000**	**77.0259**

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	3.0000e-004	0.0199	5.6900e-003	8.0000e-005	2.6100e-003	1.2000e-004	2.7300e-003	7.2000e-004	1.2000e-004	8.3000e-004	0.0000	7.8878	7.8878	5.1000e-004	1.2600e-003	8.2747
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	1.0100e-003	6.5000e-004	0.0109	4.0000e-005	5.0400e-003	2.0000e-005	5.0600e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	3.3809	3.3809	6.0000e-005	7.0000e-005	3.4046
Total	**1.3100e-003**	**0.0206**	**0.0166**	**1.2000e-004**	**7.6500e-003**	**1.4000e-004**	**7.7900e-003**	**2.0600e-003**	**1.4000e-004**	**2.1900e-003**	**0.0000**	**11.2687**	**11.2687**	**5.7000e-004**	**1.3300e-003**	**11.6793**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

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					0.0148	0.0000	0.0148	2.2300e-003	0.0000	2.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0732	0.5789	8.8000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	76.5860	76.5860	0.0176	0.0000	77.0258
Total	**0.0108**	**0.0732**	**0.5789**	**8.8000e-004**	**0.0148**	**1.3500e-003**	**0.0161**	**2.2300e-003**	**1.3500e-003**	**3.5800e-003**	**0.0000**	**76.5860**	**76.5860**	**0.0176**	**0.0000**	**77.0258**

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	3.0000e-004	0.0199	5.6900e-003	8.0000e-005	2.6100e-003	1.2000e-004	2.7300e-003	7.2000e-004	1.2000e-004	8.3000e-004	0.0000	7.8878	7.8878	5.1000e-004	1.2600e-003	8.2747
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	1.0100e-003	6.5000e-004	0.0109	4.0000e-005	5.0400e-003	2.0000e-005	5.0600e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	3.3809	3.3809	6.0000e-005	7.0000e-005	3.4046
Total	**1.3100e-003**	**0.0206**	**0.0166**	**1.2000e-004**	**7.6500e-003**	**1.4000e-004**	**7.7900e-003**	**2.0600e-003**	**1.4000e-004**	**2.1900e-003**	**0.0000**	**11.2687**	**11.2687**	**5.7000e-004**	**1.3300e-003**	**11.6793**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

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					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7900e-003	0.0355	0.0310	4.0000e-005		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	3.5814	3.5814	1.1600e-003	0.0000	3.6103
Total	**3.7900e-003**	**0.0355**	**0.0310**	**4.0000e-005**	**3.9800e-003**	**2.3600e-003**	**6.3400e-003**	**4.3000e-004**	**2.1700e-003**	**2.6000e-003**	**0.0000**	**3.5814**	**3.5814**	**1.1600e-003**	**0.0000**	**3.6103**

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	7.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2205	0.2205	0.0000	0.0000	0.2220
Total	**7.0000e-005**	**4.0000e-005**	**7.1000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2205**	**0.2205**	**0.0000**	**0.0000**	**0.2220**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

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					1.7900e-003	0.0000	1.7900e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.0000e-004	2.1600e-003	0.0307	4.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	3.5814	3.5814	1.1600e-003	0.0000	3.6103
Total	**5.0000e-004**	**2.1600e-003**	**0.0307**	**4.0000e-005**	**1.7900e-003**	**7.0000e-005**	**1.8600e-003**	**1.9000e-004**	**7.0000e-005**	**2.6000e-004**	**0.0000**	**3.5814**	**3.5814**	**1.1600e-003**	**0.0000**	**3.6103**

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	7.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2205	0.2205	0.0000	0.0000	0.2220
Total	**7.0000e-005**	**4.0000e-005**	**7.1000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2205**	**0.2205**	**0.0000**	**0.0000**	**0.2220**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

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					8.1100e-003	0.0000	8.1100e-003	1.0400e-003	0.0000	1.0400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0628	0.5170	0.8019	1.3500e-003		0.0209	0.0209		0.0201	0.0201	0.0000	115.7587	115.7587	0.0237	0.0000	116.3509
Total	**0.0628**	**0.5170**	**0.8019**	**1.3500e-003**	**8.1100e-003**	**0.0209**	**0.0291**	**1.0400e-003**	**0.0201**	**0.0211**	**0.0000**	**115.7587**	**115.7587**	**0.0237**	**0.0000**	**116.3509**

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	4.2800e-003	0.2811	0.0803	1.1100e-003	0.0368	1.7300e-003	0.0386	0.0101	1.6500e-003	0.0118	0.0000	111.4177	111.4177	7.2500e-003	0.0177	116.8834
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	1.7700e-003	1.1400e-003	0.0191	6.0000e-005	8.8200e-003	4.0000e-005	8.8600e-003	2.3400e-003	4.0000e-005	2.3800e-003	0.0000	5.9167	5.9167	1.1000e-004	1.3000e-004	5.9580
Total	**6.0500e-003**	**0.2823**	**0.0994**	**1.1700e-003**	**0.0456**	**1.7700e-003**	**0.0474**	**0.0125**	**1.6900e-003**	**0.0142**	**0.0000**	**117.3344**	**117.3344**	**7.3600e-003**	**0.0179**	**122.8415**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

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					3.6500e-003	0.0000	3.6500e-003	4.7000e-004	0.0000	4.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0270	0.1949	0.6905	1.0800e-003		7.1800e-003	7.1800e-003		6.9400e-003	6.9400e-003	0.0000	94.1006	94.1006	0.0223	0.0000	94.6592
Total	**0.0270**	**0.1949**	**0.6905**	**1.0800e-003**	**3.6500e-003**	**7.1800e-003**	**0.0108**	**4.7000e-004**	**6.9400e-003**	**7.4100e-003**	**0.0000**	**94.1006**	**94.1006**	**0.0223**	**0.0000**	**94.6592**

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	4.2800e-003	0.2811	0.0803	1.1100e-003	0.0368	1.7300e-003	0.0386	0.0101	1.6500e-003	0.0118	0.0000	111.4177	111.4177	7.2500e-003	0.0177	116.8834
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	1.7700e-003	1.1400e-003	0.0191	6.0000e-005	8.8200e-003	4.0000e-005	8.8600e-003	2.3400e-003	4.0000e-005	2.3800e-003	0.0000	5.9167	5.9167	1.1000e-004	1.3000e-004	5.9580
Total	**6.0500e-003**	**0.2823**	**0.0994**	**1.1700e-003**	**0.0456**	**1.7700e-003**	**0.0474**	**0.0125**	**1.6900e-003**	**0.0142**	**0.0000**	**117.3344**	**117.3344**	**7.3600e-003**	**0.0179**	**122.8415**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2029

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					4.2400e-003	0.0000	4.2400e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0588	0.4980	0.7054	1.4100e-003		0.0210	0.0210		0.0199	0.0199	0.0000	122.0408	122.0408	0.0280	0.0000	122.7409
Total	**0.0588**	**0.4980**	**0.7054**	**1.4100e-003**	**4.2400e-003**	**0.0210**	**0.0252**	**4.6000e-004**	**0.0199**	**0.0204**	**0.0000**	**122.0408**	**122.0408**	**0.0280**	**0.0000**	**122.7409**

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	1.8400e-003	1.1900e-003	0.0199	7.0000e-005	9.2000e-003	4.0000e-005	9.2400e-003	2.4400e-003	4.0000e-005	2.4800e-003	0.0000	6.1702	6.1702	1.1000e-004	1.4000e-004	6.2134
Total	**1.8400e-003**	**1.1900e-003**	**0.0199**	**7.0000e-005**	**9.2000e-003**	**4.0000e-005**	**9.2400e-003**	**2.4400e-003**	**4.0000e-005**	**2.4800e-003**	**0.0000**	**6.1702**	**6.1702**	**1.1000e-004**	**1.4000e-004**	**6.2134**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2029

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					1.9100e-003	0.0000	1.9100e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0209	0.1293	0.8408	1.3800e-003		3.5800e-003	3.5800e-003		3.5800e-003	3.5800e-003	0.0000	119.9827	119.9827	0.0278	0.0000	120.6776
Total	**0.0209**	**0.1293**	**0.8408**	**1.3800e-003**	**1.9100e-003**	**3.5800e-003**	**5.4900e-003**	**2.1000e-004**	**3.5800e-003**	**3.7900e-003**	**0.0000**	**119.9827**	**119.9827**	**0.0278**	**0.0000**	**120.6776**

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	1.8400e-003	1.1900e-003	0.0199	7.0000e-005	9.2000e-003	4.0000e-005	9.2400e-003	2.4400e-003	4.0000e-005	2.4800e-003	0.0000	6.1702	6.1702	1.1000e-004	1.4000e-004	6.2134
Total	**1.8400e-003**	**1.1900e-003**	**0.0199**	**7.0000e-005**	**9.2000e-003**	**4.0000e-005**	**9.2400e-003**	**2.4400e-003**	**4.0000e-005**	**2.4800e-003**	**0.0000**	**6.1702**	**6.1702**	**1.1000e-004**	**1.4000e-004**	**6.2134**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.1535	1.4046	1.5549	2.9600e-003		0.0605	0.0605		0.0568	0.0568	0.0000	255.3603	255.3603	0.0643	0.0000	256.9679
Total	**0.1535**	**1.4046**	**1.5549**	**2.9600e-003**		**0.0605**	**0.0605**		**0.0568**	**0.0568**	**0.0000**	**255.3603**	**255.3603**	**0.0643**	**0.0000**	**256.9679**

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	6.6700e-003	0.2671	0.0952	1.1400e-003	0.0431	1.3100e-003	0.0444	0.0124	1.2500e-003	0.0137	0.0000	111.4055	111.4055	4.3000e-003	0.0161	116.3072
Worker	0.0679	0.0440	0.7332	2.4800e-003	0.3393	1.4700e-003	0.3407	0.0901	1.3500e-003	0.0915	0.0000	227.5522	227.5522	4.1300e-003	4.9900e-003	229.1434
Total	**0.0746**	**0.3111**	**0.8284**	**3.6200e-003**	**0.3824**	**2.7800e-003**	**0.3852**	**0.1026**	**2.6000e-003**	**0.1052**	**0.0000**	**338.9577**	**338.9577**	**8.4300e-003**	**0.0211**	**345.4505**

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3.6 Building Construction - 2029

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	0.0725	0.6170	1.7168	2.8300e-003		0.0158	0.0158		0.0158	0.0158	0.0000	247.1111	247.1111	0.0634	0.0000	248.6972
Total	**0.0725**	**0.6170**	**1.7168**	**2.8300e-003**		**0.0158**	**0.0158**		**0.0158**	**0.0158**	**0.0000**	**247.1111**	**247.1111**	**0.0634**	**0.0000**	**248.6972**

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	6.6700e-003	0.2671	0.0952	1.1400e-003	0.0431	1.3100e-003	0.0444	0.0124	1.2500e-003	0.0137	0.0000	111.4055	111.4055	4.3000e-003	0.0161	116.3072
Worker	0.0679	0.0440	0.7332	2.4800e-003	0.3393	1.4700e-003	0.3407	0.0901	1.3500e-003	0.0915	0.0000	227.5522	227.5522	4.1300e-003	4.9900e-003	229.1434
Total	**0.0746**	**0.3111**	**0.8284**	**3.6200e-003**	**0.3824**	**2.7800e-003**	**0.3852**	**0.1026**	**2.6000e-003**	**0.1052**	**0.0000**	**338.9577**	**338.9577**	**8.4300e-003**	**0.0211**	**345.4505**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2030

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	0.0739	0.3903	0.7659	1.7000e-003		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003	0.0000	144.7183	144.7183	5.9400e-003	0.0000	144.8669
Total	**0.0739**	**0.3903**	**0.7659**	**1.7000e-003**		**9.4100e-003**	**9.4100e-003**		**9.4100e-003**	**9.4100e-003**	**0.0000**	**144.7183**	**144.7183**	**5.9400e-003**	**0.0000**	**144.8669**

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	3.2500e-003	0.1312	0.0468	5.5000e-004	0.0213	6.4000e-004	0.0220	6.1500e-003	6.1000e-004	6.7700e-003	0.0000	54.0812	54.0812	2.1400e-003	7.8100e-003	56.4626
Worker	0.0317	0.0202	0.3474	1.2000e-003	0.1678	6.8000e-004	0.1684	0.0446	6.2000e-004	0.0452	0.0000	110.1432	110.1432	1.8900e-003	2.3800e-003	110.8992
Total	**0.0349**	**0.1514**	**0.3943**	**1.7500e-003**	**0.1891**	**1.3200e-003**	**0.1904**	**0.0507**	**1.2300e-003**	**0.0520**	**0.0000**	**164.2245**	**164.2245**	**4.0300e-003**	**0.0102**	**167.3617**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2030

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	0.0311	0.2708	0.8475	1.6400e-003		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	140.6395	140.6395	5.5200e-003	0.0000	140.7775
Total	**0.0311**	**0.2708**	**0.8475**	**1.6400e-003**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**140.6395**	**140.6395**	**5.5200e-003**	**0.0000**	**140.7775**

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	3.2500e-003	0.1312	0.0468	5.5000e-004	0.0213	6.4000e-004	0.0220	6.1500e-003	6.1000e-004	6.7700e-003	0.0000	54.0812	54.0812	2.1400e-003	7.8100e-003	56.4626
Worker	0.0317	0.0202	0.3474	1.2000e-003	0.1678	6.8000e-004	0.1684	0.0446	6.2000e-004	0.0452	0.0000	110.1432	110.1432	1.8900e-003	2.3800e-003	110.8992
Total	**0.0349**	**0.1514**	**0.3943**	**1.7500e-003**	**0.1891**	**1.3200e-003**	**0.1904**	**0.0507**	**1.2300e-003**	**0.0520**	**0.0000**	**164.2245**	**164.2245**	**4.0300e-003**	**0.0102**	**167.3617**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

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	7.2500e-003	0.0646	0.0980	1.6000e-004		3.0100e-003	3.0100e-003		2.8500e-003	2.8500e-003	0.0000	13.7306	13.7306	3.0100e-003	0.0000	13.8059
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.2500e-003**	**0.0646**	**0.0980**	**1.6000e-004**		**3.0100e-003**	**3.0100e-003**		**2.8500e-003**	**2.8500e-003**	**0.0000**	**13.7306**	**13.7306**	**3.0100e-003**	**0.0000**	**13.8059**

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	3.1000e-004	2.0000e-004	3.3200e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.1000e-004	0.0000	1.0290	1.0290	2.0000e-005	2.0000e-005	1.0362
Total	**3.1000e-004**	**2.0000e-004**	**3.3200e-003**	**1.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.0290**	**1.0290**	**2.0000e-005**	**2.0000e-005**	**1.0362**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

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	1.9800e-003	0.0177	0.1067	1.5000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	13.3727	13.3727	2.9700e-003	0.0000	13.4471
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.9800e-003**	**0.0177**	**0.1067**	**1.5000e-004**		**2.3000e-004**	**2.3000e-004**		**2.3000e-004**	**2.3000e-004**	**0.0000**	**13.3727**	**13.3727**	**2.9700e-003**	**0.0000**	**13.4471**

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	3.1000e-004	2.0000e-004	3.3200e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.1000e-004	0.0000	1.0290	1.0290	2.0000e-005	2.0000e-005	1.0362
Total	**3.1000e-004**	**2.0000e-004**	**3.3200e-003**	**1.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.0290**	**1.0290**	**2.0000e-005**	**2.0000e-005**	**1.0362**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	0.4128					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0250	0.1650	0.2109	3.8000e-004		7.0700e-003	7.0700e-003		7.0700e-003	7.0700e-003	0.0000	30.1570	30.1570	2.0300e-003	0.0000	30.2078
Total	**0.4377**	**0.1650**	**0.2109**	**3.8000e-004**		**7.0700e-003**	**7.0700e-003**		**7.0700e-003**	**7.0700e-003**	**0.0000**	**30.1570**	**30.1570**	**2.0300e-003**	**0.0000**	**30.2078**

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	3.2500e-003	2.1100e-003	0.0351	1.2000e-004	0.0163	7.0000e-005	0.0163	4.3200e-003	6.0000e-005	4.3800e-003	0.0000	10.9035	10.9035	2.0000e-004	2.4000e-004	10.9798
Total	**3.2500e-003**	**2.1100e-003**	**0.0351**	**1.2000e-004**	**0.0163**	**7.0000e-005**	**0.0163**	**4.3200e-003**	**6.0000e-005**	**4.3800e-003**	**0.0000**	**10.9035**	**10.9035**	**2.0000e-004**	**2.4000e-004**	**10.9798**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	0.4128					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.0985	0.1556	2.9000e-004		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003	0.0000	24.2452	24.2452	1.4200e-003	0.0000	24.2806
Total	**0.4275**	**0.0985**	**0.1556**	**2.9000e-004**		**4.4300e-003**	**4.4300e-003**		**4.4300e-003**	**4.4300e-003**	**0.0000**	**24.2452**	**24.2452**	**1.4200e-003**	**0.0000**	**24.2806**

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	3.2500e-003	2.1100e-003	0.0351	1.2000e-004	0.0163	7.0000e-005	0.0163	4.3200e-003	6.0000e-005	4.3800e-003	0.0000	10.9035	10.9035	2.0000e-004	2.4000e-004	10.9798
Total	**3.2500e-003**	**2.1100e-003**	**0.0351**	**1.2000e-004**	**0.0163**	**7.0000e-005**	**0.0163**	**4.3200e-003**	**6.0000e-005**	**4.3800e-003**	**0.0000**	**10.9035**	**10.9035**	**2.0000e-004**	**2.4000e-004**	**10.9798**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2030

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	0.8735					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0454	0.2955	0.4440	8.1000e-004		9.1600e-003	9.1600e-003		9.1600e-003	9.1600e-003	0.0000	63.8207	63.8207	3.6300e-003	0.0000	63.9115
Total	**0.9189**	**0.2955**	**0.4440**	**8.1000e-004**		**9.1600e-003**	**9.1600e-003**		**9.1600e-003**	**9.1600e-003**	**0.0000**	**63.8207**	**63.8207**	**3.6300e-003**	**0.0000**	**63.9115**

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	6.5000e-003	4.1400e-003	0.0713	2.5000e-004	0.0344	1.4000e-004	0.0345	9.1400e-003	1.3000e-004	9.2700e-003	0.0000	22.5892	22.5892	3.9000e-004	4.9000e-004	22.7442
Total	**6.5000e-003**	**4.1400e-003**	**0.0713**	**2.5000e-004**	**0.0344**	**1.4000e-004**	**0.0345**	**9.1400e-003**	**1.3000e-004**	**9.2700e-003**	**0.0000**	**22.5892**	**22.5892**	**3.9000e-004**	**4.9000e-004**	**22.7442**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2030

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	0.8735					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.1558	0.3272	6.2000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	51.3097	51.3097	2.3300e-003	0.0000	51.3680
Total	**0.8973**	**0.1558**	**0.3272**	**6.2000e-004**		**3.7000e-003**	**3.7000e-003**		**3.7000e-003**	**3.7000e-003**	**0.0000**	**51.3097**	**51.3097**	**2.3300e-003**	**0.0000**	**51.3680**

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	6.5000e-003	4.1400e-003	0.0713	2.5000e-004	0.0344	1.4000e-004	0.0345	9.1400e-003	1.3000e-004	9.2700e-003	0.0000	22.5892	22.5892	3.9000e-004	4.9000e-004	22.7442
Total	**6.5000e-003**	**4.1400e-003**	**0.0713**	**2.5000e-004**	**0.0344**	**1.4000e-004**	**0.0345**	**9.1400e-003**	**1.3000e-004**	**9.2700e-003**	**0.0000**	**22.5892**	**22.5892**	**3.9000e-004**	**4.9000e-004**	**22.7442**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.2341	1.2802	12.6246	0.0284	3.5834	0.0179	3.6013	0.9563	0.0166	0.9729	0.0000	2,633.7253	2,633.7253	0.1828	0.1126	2,671.8503
Unmitigated	1.2341	1.2802	12.6246	0.0284	3.5834	0.0179	3.6013	0.9563	0.0166	0.9729	0.0000	2,633.7253	2,633.7253	0.1828	0.1126	2,671.8503

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,344.56	1,344.56	1344.56	4,169,857	4,169,857
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	706.10	706.10	706.10	3,084,245	3,084,245
Strip Mall	521.90	521.90	521.90	2,279,659	2,279,659
Total	2,572.56	2,572.56	2,572.56	9,533,761	9,533,761

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	8.52	8.52	8.52	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.00	12.00	12.00	33.00	48.00	19.00	100	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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
Strip Mall	12.00	12.00	12.00	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Strip Mall	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive 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	676.6095	676.6095	0.0571	6.9200e-003	680.1000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	676.6095	676.6095	0.0571	6.9200e-003	680.1000
NaturalGas Mitigated	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.1329	14.1329	2.7000e-004	2.6000e-004	14.2169
NaturalGas Unmitigated	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.1329	14.1329	2.7000e-004	2.6000e-004	14.2169

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	237130	1.2800e-003	0.0116	9.7600e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.6542	12.6542	2.4000e-004	2.3000e-004	12.7294
Strip Mall	27710	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4787	1.4787	3.0000e-005	3.0000e-005	1.4875
Total		**1.4300e-003**	**0.0130**	**0.0109**	**8.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**14.1329**	**14.1329**	**2.7000e-004**	**2.6000e-004**	**14.2169**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	237130	1.2800e-003	0.0116	9.7600e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.6542	12.6542	2.4000e-004	2.3000e-004	12.7294
Strip Mall	27710	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4787	1.4787	3.0000e-005	3.0000e-005	1.4875
Total		**1.4300e-003**	**0.0130**	**0.0109**	**8.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**14.1329**	**14.1329**	**2.7000e-004**	**2.6000e-004**	**14.2169**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.21969e+006	393.6522	0.0332	4.0300e-003	395.6830
Enclosed Parking with Elevator	1.08582e+006	192.5661	0.0163	1.9700e-003	193.5595
General Office Building	287500	50.9868	4.3000e-003	5.2000e-004	51.2499
Strip Mall	222190	39.4044	3.3300e-003	4.0000e-004	39.6077
Total		**676.6095**	**0.0571**	**6.9200e-003**	**680.1000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.21969e+006	393.6522	0.0332	4.0300e-003	395.6830
Enclosed Parking with Elevator	1.08582e+006	192.5661	0.0163	1.9700e-003	193.5595
General Office Building	287500	50.9868	4.3000e-003	5.2000e-004	51.2499
Strip Mall	222190	39.4044	3.3300e-003	4.0000e-004	39.6077
Total		**676.6095**	**0.0571**	**6.9200e-003**	**680.1000**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	1.6317	0.0407	3.5347	1.9000e-004		0.0196	0.0196		0.0196	0.0196	0.0000	5.7914	5.7914	5.5400e-003	0.0000	5.9299
Unmitigated	1.6317	0.0407	3.5347	1.9000e-004		0.0196	0.0196		0.0196	0.0196	0.0000	5.7914	5.7914	5.5400e-003	0.0000	5.9299

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	0.1286					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3969					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	0.1062	0.0407	3.5347	1.9000e-004		0.0196	0.0196		0.0196	0.0196	0.0000	5.7914	5.7914	5.5400e-003	0.0000	5.9299
Total	**1.6317**	**0.0407**	**3.5347**	**1.9000e-004**		**0.0196**	**0.0196**		**0.0196**	**0.0196**	**0.0000**	**5.7914**	**5.7914**	**5.5400e-003**	**0.0000**	**5.9299**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1286					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3969					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	0.1062	0.0407	3.5347	1.9000e-004		0.0196	0.0196		0.0196	0.0196	0.0000	5.7914	5.7914	5.5400e-003	0.0000	5.9299
Total	**1.6317**	**0.0407**	**3.5347**	**1.9000e-004**		**0.0196**	**0.0196**		**0.0196**	**0.0196**	**0.0000**	**5.7914**	**5.7914**	**5.5400e-003**	**0.0000**	**5.9299**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	106.9565	0.9107	0.0223	136.3739
Unmitigated	106.9565	0.9107	0.0223	136.3739

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.3478 / 14.0888	86.4553	0.7349	0.0180	110.1938
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	4.08788 / 2.50547	15.6732	0.1344	3.2900e-003	20.0148
Strip Mall	1.25923 / 0.771788	4.8280	0.0414	1.0100e-003	6.1654
Total		**106.9565**	**0.9107**	**0.0223**	**136.3739**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.3478 / 14.0888	86.4553	0.7349	0.0180	110.1938
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	4.08788 / 2.50547	15.6732	0.1344	3.2900e-003	20.0148
Strip Mall	1.25923 / 0.771788	4.8280	0.0414	1.0100e-003	6.1654
Total		**106.9565**	**0.9107**	**0.0223**	**136.3739**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.9933	2.3635	0.0000	99.0817
Unmitigated	39.9933	2.3635	0.0000	99.0817

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	157.78	32.0279	1.8928	0.0000	79.3478
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	21.39	4.3420	0.2566	0.0000	10.7571
Strip Mall	17.85	3.6234	0.2141	0.0000	8.9768
Total		**39.9933**	**2.3635**	**0.0000**	**99.0817**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	157.78	32.0279	1.8928	0.0000	79.3478
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	21.39	4.3420	0.2566	0.0000	10.7571
Strip Mall	17.85	3.6234	0.2141	0.0000	8.9768
Total		**39.9933**	**2.3635**	**0.0000**	**99.0817**

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

Boilers

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

User Defined Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation Phase 3 - Rebuild

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	23.00	1000sqft	0.53	23,000.00	0
Enclosed Parking with Elevator	499.00	Space	1.00	199,600.00	0
Apartments Mid Rise	343.00	Dwelling Unit	1.68	343,000.00	981
Strip Mall	17.00	1000sqft	0.39	17,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Trips and VMT - See assumptiosn

Demolition -

Grading - See Assumptions

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	134.00
tblConstructionPhase	NumDays	230.00	269.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	18.00	8.00
tblConstructionPhase	NumDays	5.00	12.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	291.55	0.00
tblFireplaces	NumberNoFireplace	34.30	343.00
tblFireplaces	NumberWood	17.15	0.00
tblGrading	AcresOfGrading	23.00	8.00
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	AcresOfGrading	0.00	7.50
tblGrading	MaterialExported	0.00	68,486.00
tblLandUse	LotAcreage	4.49	1.00
tblLandUse	LotAcreage	9.03	1.68
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	8,561.00	4,280.00
tblVehicleTrips	CC_TL	8.40	12.00
tblVehicleTrips	CC_TL	8.40	12.00
tblVehicleTrips	CNW_TL	6.90	12.00
tblVehicleTrips	CNW_TL	6.90	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.52
tblVehicleTrips	HS_TL	5.90	8.52
tblVehicleTrips	HW_TL	14.70	8.52
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	30.70

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	42.04	30.70
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	30.70
tblVehicleTrips	SU_TR	20.43	30.70
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	30.70
tblVehicleTrips	WD_TR	44.32	30.70
tblWoodstoves	NumberCatalytic	17.15	0.00
tblWoodstoves	NumberNoncatalytic	17.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2029	23.0502	68.2074	78.4005	0.2196	5.1032	1.9736	6.7194	1.3645	1.8893	3.0808	0.0000	22,351.8836	22,351.8836	2.9739	1.7104	22,935.9256
2030	22.7858	18.5613	37.9300	0.1021	5.1032	0.4454	5.5486	1.3645	0.4433	1.8077	0.0000	9,877.1970	9,877.1970	0.3435	0.2586	9,962.8465
Maximum	**23.0502**	**68.2074**	**78.4005**	**0.2196**	**5.1032**	**1.9736**	**6.7194**	**1.3645**	**1.8893**	**3.0808**	**0.0000**	**22,351.8836**	**22,351.8836**	**2.9739**	**1.7104**	**22,935.9256**

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					
2029	21.6716	40.2131	75.0234	0.1962	5.1032	0.7761	5.5192	1.3645	0.7493	1.8909	0.0000	20,275.9035	20,275.9035	2.8446	1.7104	20,856.7134
2030	21.3506	12.8286	37.1970	0.0964	5.1032	0.2066	5.3098	1.3645	0.2045	1.5689	0.0000	9,473.0665	9,473.0665	0.3015	0.2586	9,557.6671
Maximum	**21.6716**	**40.2131**	**75.0234**	**0.1962**	**5.1032**	**0.7761**	**5.5192**	**1.3645**	**0.7493**	**1.8909**	**0.0000**	**20,275.9035**	**20,275.9035**	**2.8446**	**1.7104**	**20,856.7134**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	6.14	38.87	3.53	9.03	0.00	59.38	11.73	0.00	59.11	29.23	0.00	7.70	7.70	5.16	0.00	7.55

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	6.9929	6.4367	69.9216	0.1613	20.0805	0.0982	20.1787	5.3502	0.0913	5.4416		16,465.7748	16,465.7748	1.0868	0.6517	16,687.1407
Total	**16.2088**	**6.8337**	**98.2592**	**0.1633**	**20.0805**	**0.2607**	**20.3412**	**5.3502**	**0.2539**	**5.6041**	**0.0000**	**16,602.2097**	**16,602.2097**	**1.1373**	**0.6532**	**16,825.3040**

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	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	6.9929	6.4367	69.9216	0.1613	20.0805	0.0982	20.1787	5.3502	0.0913	5.4416		16,465.7748	16,465.7748	1.0868	0.6517	16,687.1407
Total	**16.2088**	**6.8337**	**98.2592**	**0.1633**	**20.0805**	**0.2607**	**20.3412**	**5.3502**	**0.2539**	**5.6041**	**0.0000**	**16,602.2097**	**16,602.2097**	**1.1373**	**0.6532**	**16,825.3040**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2029	1/31/2029	5	23	
2	Site Preparation	Site Preparation	2/1/2029	2/16/2029	5	12	
3	Grading	Grading	2/17/2029	3/21/2029	5	23	
4	Utilities and Trenching	Grading	3/22/2029	4/23/2029	5	23	
5	Building Construction	Building Construction	4/24/2029	5/3/2030	5	269	
6	Paving	Paving	4/24/2029	5/3/2029	5	8	
7	Architectural Coating	Architectural Coating	11/1/2029	5/7/2030	5	134	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 1

Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 11,976 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Excavators	4	8.00	158	0.38
Grading	Generator Sets	2	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Welders	4	8.00	46	0.45
Utilities and Trenching	Air Compressors	2	8.00	78	0.48
Utilities and Trenching	Concrete/Industrial Saws	3	8.00	81	0.73
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Utilities and Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Generator Sets	2	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	303.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	28	70.00	0.00	4,280.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	29	73.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	344.00	76.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	69.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2029

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					2.8504	0.0000	2.8504	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.0920	26.1995	43.3129	0.0764		1.1231	1.1231		1.0633	1.0633		7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**3.0920**	**26.1995**	**43.3129**	**0.0764**	**2.8504**	**1.1231**	**3.9734**	**0.4316**	**1.0633**	**1.4949**		**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

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	0.0271	1.6422	0.4921	6.8200e-003	0.2306	0.0106	0.2413	0.0632	0.0102	0.0734		755.7068	755.7068	0.0493	0.1203	792.7789
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
Worker	0.0879	0.0505	1.0021	3.3300e-003	0.4471	1.8900e-003	0.4490	0.1186	1.7400e-003	0.1203		336.9740	336.9740	5.7700e-003	6.5700e-003	339.0766
Total	**0.1150**	**1.6926**	**1.4942**	**0.0102**	**0.6777**	**0.0125**	**0.6903**	**0.1818**	**0.0119**	**0.1937**		**1,092.6807**	**1,092.6807**	**0.0550**	**0.1268**	**1,131.8555**

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					1.2827	0.0000	1.2827	0.1942	0.0000	0.1942			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**1.2827**	**0.1173**	**1.4000**	**0.1942**	**0.1173**	**0.3115**	**0.0000**	**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

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	0.0271	1.6422	0.4921	6.8200e-003	0.2306	0.0106	0.2413	0.0632	0.0102	0.0734		755.7068	755.7068	0.0493	0.1203	792.7789
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
Worker	0.0879	0.0505	1.0021	3.3300e-003	0.4471	1.8900e-003	0.4490	0.1186	1.7400e-003	0.1203		336.9740	336.9740	5.7700e-003	6.5700e-003	339.0766
Total	**0.1150**	**1.6926**	**1.4942**	**0.0102**	**0.6777**	**0.0125**	**0.6903**	**0.1818**	**0.0119**	**0.1937**		**1,092.6807**	**1,092.6807**	**0.0550**	**0.1268**	**1,131.8555**

3.3 Site Preparation - 2029

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					0.6628	0.0000	0.6628	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	0.6280	5.8866	5.1373	6.7600e-003		0.3921	0.3921		0.3607	0.3607		654.6902	654.6902	0.2117		659.9837
Total	**0.6280**	**5.8866**	**5.1373**	**6.7600e-003**	**0.6628**	**0.3921**	**1.0549**	**0.0716**	**0.3607**	**0.4323**		**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

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	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
Worker	0.0110	6.3100e-003	0.1253	4.2000e-004	0.0559	2.4000e-004	0.0561	0.0148	2.2000e-004	0.0150		42.1218	42.1218	7.2000e-004	8.2000e-004	42.3846
Total	**0.0110**	**6.3100e-003**	**0.1253**	**4.2000e-004**	**0.0559**	**2.4000e-004**	**0.0561**	**0.0148**	**2.2000e-004**	**0.0150**		**42.1218**	**42.1218**	**7.2000e-004**	**8.2000e-004**	**42.3846**

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					0.2983	0.0000	0.2983	0.0322	0.0000	0.0322			0.0000			0.0000
Off-Road	0.0825	0.3577	5.0900	6.7600e-003		0.0110	0.0110		0.0110	0.0110	0.0000	654.6902	654.6902	0.2117		659.9837
Total	**0.0825**	**0.3577**	**5.0900**	**6.7600e-003**	**0.2983**	**0.0110**	**0.3093**	**0.0322**	**0.0110**	**0.0432**	**0.0000**	**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

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	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
Worker	0.0110	6.3100e-003	0.1253	4.2000e-004	0.0559	2.4000e-004	0.0561	0.0148	2.2000e-004	0.0150		42.1218	42.1218	7.2000e-004	8.2000e-004	42.3846
Total	**0.0110**	**6.3100e-003**	**0.1253**	**4.2000e-004**	**0.0559**	**2.4000e-004**	**0.0561**	**0.0148**	**2.2000e-004**	**0.0150**		**42.1218**	**42.1218**	**7.2000e-004**	**8.2000e-004**	**42.3846**

3.4 Grading - 2029

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					0.7056	0.0000	0.7056	0.0908	0.0000	0.0908			0.0000			0.0000
Off-Road	5.4600	44.9228	69.6957	0.1174		1.8203	1.8203		1.7427	1.7427		11,087.5095	11,087.5095	2.2681		11,144.2121
Total	**5.4600**	**44.9228**	**69.6957**	**0.1174**	**0.7056**	**1.8203**	**2.5259**	**0.0908**	**1.7427**	**1.8335**		**11,087.5095**	**11,087.5095**	**2.2681**		**11,144.2121**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

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	0.3828	23.1962	6.9511	0.0964	3.2578	0.1501	3.4078	0.8932	0.1436	1.0368		10,674.6697	10,674.6697	0.6956	1.6989	11,198.3295
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
Worker	0.1538	0.0883	1.7537	5.8300e-003	0.7824	3.3100e-003	0.7858	0.2075	3.0500e-003	0.2106		589.7045	589.7045	0.0101	0.0115	593.3840
Total	**0.5367**	**23.2845**	**8.7048**	**0.1022**	**4.0402**	**0.1534**	**4.1936**	**1.1007**	**0.1466**	**1.2474**		**11,264.3741**	**11,264.3741**	**0.7057**	**1.7104**	**11,791.7135**

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					0.3175	0.0000	0.3175	0.0409	0.0000	0.0409			0.0000			0.0000
Off-Road	2.3436	16.9285	60.0082	0.0940		0.6227	0.6227		0.6027	0.6027	0.0000	9,011.5294	9,011.5294	2.1388		9,064.9998
Total	**2.3436**	**16.9285**	**60.0082**	**0.0940**	**0.3175**	**0.6227**	**0.9402**	**0.0409**	**0.6027**	**0.6435**	**0.0000**	**9,011.5294**	**9,011.5294**	**2.1388**		**9,064.9998**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

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	0.3828	23.1962	6.9511	0.0964	3.2578	0.1501	3.4078	0.8932	0.1436	1.0368		10,674.6697	10,674.6697	0.6956	1.6989	11,198.3295
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
Worker	0.1538	0.0883	1.7537	5.8300e-003	0.7824	3.3100e-003	0.7858	0.2075	3.0500e-003	0.2106		589.7045	589.7045	0.0101	0.0115	593.3840
Total	**0.5367**	**23.2845**	**8.7048**	**0.1022**	**4.0402**	**0.1534**	**4.1936**	**1.1007**	**0.1466**	**1.2474**		**11,264.3741**	**11,264.3741**	**0.7057**	**1.7104**	**11,791.7135**

3.5 Utilities and Trenching - 2029

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					0.3689	0.0000	0.3689	0.0398	0.0000	0.0398			0.0000			0.0000
Off-Road	5.1186	43.3434	61.4493	0.1225		1.8264	1.8264		1.7333	1.7333		11,701.1975	11,701.1975	2.6855		11,768.3352
Total	**5.1186**	**43.3434**	**61.4493**	**0.1225**	**0.3689**	**1.8264**	**2.1952**	**0.0398**	**1.7333**	**1.7731**		**11,701.1975**	**11,701.1975**	**2.6855**		**11,768.3352**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2029

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	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
Worker	0.1604	0.0921	1.8288	6.0800e-003	0.8160	3.4600e-003	0.8194	0.2164	3.1800e-003	0.2196		614.9775	614.9775	0.0105	0.0120	618.8148
Total	**0.1604**	**0.0921**	**1.8288**	**6.0800e-003**	**0.8160**	**3.4600e-003**	**0.8194**	**0.2164**	**3.1800e-003**	**0.2196**		**614.9775**	**614.9775**	**0.0105**	**0.0120**	**618.8148**

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					0.1660	0.0000	0.1660	0.0179	0.0000	0.0179			0.0000			0.0000
Off-Road	1.8197	11.2713	73.1945	0.1197		0.3109	0.3109		0.3109	0.3109	0.0000	11,503.9433	11,503.9433	2.6650		11,570.5690
Total	**1.8197**	**11.2713**	**73.1945**	**0.1197**	**0.1660**	**0.3109**	**0.4769**	**0.0179**	**0.3109**	**0.3288**	**0.0000**	**11,503.9433**	**11,503.9433**	**2.6650**		**11,570.5690**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2029

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	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
Worker	0.1604	0.0921	1.8288	6.0800e-003	0.8160	3.4600e-003	0.8194	0.2164	3.1800e-003	0.2196		614.9775	614.9775	0.0105	0.0120	618.8148
Total	**0.1604**	**0.0921**	**1.8288**	**6.0800e-003**	**0.8160**	**3.4600e-003**	**0.8194**	**0.2164**	**3.1800e-003**	**0.2196**		**614.9775**	**614.9775**	**0.0105**	**0.0120**	**618.8148**

3.6 Building Construction - 2029

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0759	2.8278	1.0420	0.0126	0.4868	0.0145	0.5014	0.1402	0.0139	0.1541		1,363.4199	1,363.4199	0.0527	0.1968	1,423.3717
Worker	0.7559	0.4341	8.6181	0.0287	3.8451	0.0163	3.8614	1.0197	0.0150	1.0347		2,897.9762	2,897.9762	0.0496	0.0565	2,916.0587
Total	**0.8318**	**3.2619**	**9.6601**	**0.0413**	**4.3320**	**0.0308**	**4.3628**	**1.1599**	**0.0289**	**1.1888**		**4,261.3961**	**4,261.3961**	**0.1024**	**0.2533**	**4,339.4304**

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	0.8067	6.8813	19.0858	0.0315		0.1759	0.1759		0.1759	0.1759	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.8067**	**6.8813**	**19.0858**	**0.0315**		**0.1759**	**0.1759**		**0.1759**	**0.1759**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0759	2.8278	1.0420	0.0126	0.4868	0.0145	0.5014	0.1402	0.0139	0.1541		1,363.4199	1,363.4199	0.0527	0.1968	1,423.3717
Worker	0.7559	0.4341	8.6181	0.0287	3.8451	0.0163	3.8614	1.0197	0.0150	1.0347		2,897.9762	2,897.9762	0.0496	0.0565	2,916.0587
Total	**0.8318**	**3.2619**	**9.6601**	**0.0413**	**4.3320**	**0.0308**	**4.3628**	**1.1599**	**0.0289**	**1.1888**		**4,261.3961**	**4,261.3961**	**0.1024**	**0.2533**	**4,339.4304**

3.6 Building Construction - 2030

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	1.6602	8.7744	17.2223	0.0382		0.2113	0.2113		0.2113	0.2113		3,586.4580	3,586.4580	0.1473		3,590.1401
Total	**1.6602**	**8.7744**	**17.2223**	**0.0382**		**0.2113**	**0.2113**		**0.2113**	**0.2113**		**3,586.4580**	**3,586.4580**	**0.1473**		**3,590.1401**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2030

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	0.0000
Vendor	0.0748	2.8096	1.0374	0.0124	0.4869	0.0144	0.5013	0.1402	0.0138	0.1540		1,338.5926	1,338.5926	0.0531	0.1932	1,397.4992
Worker	0.7121	0.4030	8.2569	0.0281	3.8451	0.0152	3.8603	1.0197	0.0140	1.0337		2,836.9473	2,836.9473	0.0459	0.0545	2,854.3236
Total	**0.7870**	**3.2126**	**9.2943**	**0.0404**	**4.3320**	**0.0296**	**4.3616**	**1.1599**	**0.0278**	**1.1877**		**4,175.5398**	**4,175.5398**	**0.0990**	**0.2477**	**4,251.8228**

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	0.6997	6.1100	19.0555	0.0368		0.0927	0.0927		0.0927	0.0927	0.0000	3,485.4254	3,485.4254	0.1368		3,488.8452
Total	**0.6997**	**6.1100**	**19.0555**	**0.0368**		**0.0927**	**0.0927**		**0.0927**	**0.0927**	**0.0000**	**3,485.4254**	**3,485.4254**	**0.1368**		**3,488.8452**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2030

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	0.0000
Vendor	0.0748	2.8096	1.0374	0.0124	0.4869	0.0144	0.5013	0.1402	0.0138	0.1540		1,338.5926	1,338.5926	0.0531	0.1932	1,397.4992
Worker	0.7121	0.4030	8.2569	0.0281	3.8451	0.0152	3.8603	1.0197	0.0140	1.0337		2,836.9473	2,836.9473	0.0459	0.0545	2,854.3236
Total	**0.7870**	**3.2126**	**9.2943**	**0.0404**	**4.3320**	**0.0296**	**4.3616**	**1.1599**	**0.0278**	**1.1877**		**4,175.5398**	**4,175.5398**	**0.0990**	**0.2477**	**4,251.8228**

3.7 Paving - 2029

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	1.8158	16.1658	24.5283	0.0401		0.7550	0.7550		0.7137	0.7137		3,788.5633	3,788.5633	0.8315		3,809.3517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8158**	**16.1658**	**24.5283**	**0.0401**		**0.7550**	**0.7550**		**0.7137**	**0.7137**		**3,788.5633**	**3,788.5633**	**0.8315**		**3,809.3517**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

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	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
Worker	0.0769	0.0442	0.8768	2.9200e-003	0.3912	1.6600e-003	0.3929	0.1038	1.5200e-003	0.1053		294.8522	294.8522	5.0500e-003	5.7500e-003	296.6920
Total	**0.0769**	**0.0442**	**0.8768**	**2.9200e-003**	**0.3912**	**1.6600e-003**	**0.3929**	**0.1038**	**1.5200e-003**	**0.1053**		**294.8522**	**294.8522**	**5.0500e-003**	**5.7500e-003**	**296.6920**

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	0.4954	4.4522	26.7083	0.0387		0.0578	0.0578		0.0578	0.0578	0.0000	3,689.9362	3,689.9362	0.8213		3,710.4687
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4954**	**4.4522**	**26.7083**	**0.0387**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**3,689.9362**	**3,689.9362**	**0.8213**		**3,710.4687**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

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	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
Worker	0.0769	0.0442	0.8768	2.9200e-003	0.3912	1.6600e-003	0.3929	0.1038	1.5200e-003	0.1053		294.8522	294.8522	5.0500e-003	5.7500e-003	296.6920
Total	**0.0769**	**0.0442**	**0.8768**	**2.9200e-003**	**0.3912**	**1.6600e-003**	**0.3929**	**0.1038**	**1.5200e-003**	**0.1053**		**294.8522**	**294.8522**	**5.0500e-003**	**5.7500e-003**	**296.6920**

3.8 Architectural Coating - 2029

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**20.3593**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1516	0.0871	1.7286	5.7500e-003	0.7713	3.2700e-003	0.7745	0.2045	3.0100e-003	0.2076		581.2801	581.2801	9.9600e-003	0.0113	584.9071
Total	**0.1516**	**0.0871**	**1.7286**	**5.7500e-003**	**0.7713**	**3.2700e-003**	**0.7745**	**0.2045**	**3.0100e-003**	**0.2076**		**581.2801**	**581.2801**	**9.9600e-003**	**0.0113**	**584.9071**

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0135		0.2060	0.2060		0.2060	0.2060	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**19.8815**	**4.5820**	**7.2365**	**0.0135**		**0.2060**	**0.2060**		**0.2060**	**0.2060**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1516	0.0871	1.7286	5.7500e-003	0.7713	3.2700e-003	0.7745	0.2045	3.0100e-003	0.2076		581.2801	581.2801	9.9600e-003	0.0113	584.9071
Total	**0.1516**	**0.0871**	**1.7286**	**5.7500e-003**	**0.7713**	**3.2700e-003**	**0.7745**	**0.2045**	**3.0100e-003**	**0.2076**		**581.2801**	**581.2801**	**9.9600e-003**	**0.0113**	**584.9071**

3.8 Architectural Coating - 2030

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9977	6.4935	9.7572	0.0178		0.2013	0.2013		0.2013	0.2013		1,546.1603	1,546.1603	0.0880		1,548.3595
Total	**20.1958**	**6.4935**	**9.7572**	**0.0178**		**0.2013**	**0.2013**		**0.2013**	**0.2013**		**1,546.1603**	**1,546.1603**	**0.0880**		**1,548.3595**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2030

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	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
Worker	0.1428	0.0808	1.6562	5.6300e-003	0.7713	3.0500e-003	0.7743	0.2045	2.8100e-003	0.2074		569.0388	569.0388	9.2100e-003	0.0109	572.5242
Total	**0.1428**	**0.0808**	**1.6562**	**5.6300e-003**	**0.7713**	**3.0500e-003**	**0.7743**	**0.2045**	**2.8100e-003**	**0.2074**		**569.0388**	**569.0388**	**9.2100e-003**	**0.0109**	**572.5242**

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0135		0.0812	0.0812		0.0812	0.0812	0.0000	1,243.0624	1,243.0624	0.0565		1,244.4749
Total	**19.7211**	**3.4251**	**7.1910**	**0.0135**		**0.0812**	**0.0812**		**0.0812**	**0.0812**	**0.0000**	**1,243.0624**	**1,243.0624**	**0.0565**		**1,244.4749**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2030

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	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
Worker	0.1428	0.0808	1.6562	5.6300e-003	0.7713	3.0500e-003	0.7743	0.2045	2.8100e-003	0.2074		569.0388	569.0388	9.2100e-003	0.0109	572.5242
Total	**0.1428**	**0.0808**	**1.6562**	**5.6300e-003**	**0.7713**	**3.0500e-003**	**0.7743**	**0.2045**	**2.8100e-003**	**0.2074**		**569.0388**	**569.0388**	**9.2100e-003**	**0.0109**	**572.5242**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	6.9929	6.4367	69.9216	0.1613	20.0805	0.0982	20.1787	5.3502	0.0913	5.4416		16,465.7748	16,465.7748	1.0868	0.6517	16,687.1407
Unmitigated	6.9929	6.4367	69.9216	0.1613	20.0805	0.0982	20.1787	5.3502	0.0913	5.4416		16,465.7748	16,465.7748	1.0868	0.6517	16,687.1407

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,344.56	1,344.56	1344.56	4,169,857	4,169,857
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	706.10	706.10	706.10	3,084,245	3,084,245
Strip Mall	521.90	521.90	521.90	2,279,659	2,279,659
Total	2,572.56	2,572.56	2,572.56	9,533,761	9,533,761

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	8.52	8.52	8.52	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.00	12.00	12.00	33.00	48.00	19.00	100	0	0
Strip Mall	12.00	12.00	12.00	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Strip Mall	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
NaturalGas Unmitigated	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	649.671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	75.9178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	0.649671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	0.0759178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

6.0 Area Detail

6.1 Mitigation Measures Area

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927
Unmitigated	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927

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	0.7048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6541					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	0.8492	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571		51.0714	51.0714	0.0489		52.2927
Total	**9.2081**	**0.3259**	**28.2779**	**1.5000e-003**		**0.1571**	**0.1571**		**0.1571**	**0.1571**	**0.0000**	**51.0714**	**51.0714**	**0.0489**	**0.0000**	**52.2927**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.7048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6541					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	0.8492	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571		51.0714	51.0714	0.0489		52.2927
Total	**9.2081**	**0.3259**	**28.2779**	**1.5000e-003**		**0.1571**	**0.1571**		**0.1571**	**0.1571**	**0.0000**	**51.0714**	**51.0714**	**0.0489**	**0.0000**	**52.2927**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation Phase 3 - Rebuild

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	23.00	1000sqft	0.53	23,000.00	0
Enclosed Parking with Elevator	499.00	Space	1.00	199,600.00	0
Apartments Mid Rise	343.00	Dwelling Unit	1.68	343,000.00	981
Strip Mall	17.00	1000sqft	0.39	17,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Schedule Provided

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Trips and VMT - See assumptiosn

Demolition -

Grading - See Assumptions

Vehicle Trips - See Assumptions

Woodstoves - No hearths

Energy Use - all electric apartments

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Electric based on project design. CalEEMod Mitigated Scenario = Actual Project scenario

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	134.00
tblConstructionPhase	NumDays	230.00	269.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	18.00	8.00
tblConstructionPhase	NumDays	5.00	12.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	291.55	0.00
tblFireplaces	NumberNoFireplace	34.30	343.00
tblFireplaces	NumberWood	17.15	0.00
tblGrading	AcresOfGrading	23.00	8.00
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	AcresOfGrading	0.00	7.50
tblGrading	MaterialExported	0.00	68,486.00
tblLandUse	LotAcreage	4.49	1.00
tblLandUse	LotAcreage	9.03	1.68
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	8,561.00	4,280.00
tblVehicleTrips	CC_TL	8.40	12.00
tblVehicleTrips	CC_TL	8.40	12.00
tblVehicleTrips	CNW_TL	6.90	12.00
tblVehicleTrips	CNW_TL	6.90	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	8.52
tblVehicleTrips	HS_TL	5.90	8.52
tblVehicleTrips	HW_TL	14.70	8.52
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	ST_TR	2.21	30.70

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	42.04	30.70
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	SU_TR	0.70	30.70
tblVehicleTrips	SU_TR	20.43	30.70
tblVehicleTrips	WD_TR	5.44	3.92
tblVehicleTrips	WD_TR	9.74	30.70
tblVehicleTrips	WD_TR	44.32	30.70
tblWoodstoves	NumberCatalytic	17.15	0.00
tblWoodstoves	NumberNoncatalytic	17.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2029	23.1322	69.2513	78.3489	0.2194	5.1032	1.9739	6.7197	1.3645	1.8896	3.0811	0.0000	22,333.1204	22,333.1204	2.9725	1.7131	22,917.9452
2030	22.8650	18.7448	37.1960	0.1004	5.1032	0.4454	5.5486	1.3645	0.4433	1.8078	0.0000	9,701.6027	9,701.6027	0.3444	0.2634	9,788.7143
Maximum	**23.1322**	**69.2513**	**78.3489**	**0.2194**	**5.1032**	**1.9739**	**6.7197**	**1.3645**	**1.8896**	**3.0811**	**0.0000**	**22,333.1204**	**22,333.1204**	**2.9725**	**1.7131**	**22,917.9452**

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					
2029	21.7537	41.2570	74.8814	0.1960	5.1032	0.7764	5.5192	1.3645	0.7496	1.8912	0.0000	20,257.1403	20,257.1403	2.8433	1.7131	20,838.7330
2030	21.4298	13.0121	36.4630	0.0947	5.1032	0.2066	5.3098	1.3645	0.2045	1.5690	0.0000	9,297.4722	9,297.4722	0.3025	0.2634	9,383.5348
Maximum	**21.7537**	**41.2570**	**74.8814**	**0.1960**	**5.1032**	**0.7764**	**5.5192**	**1.3645**	**0.7496**	**1.8912**	**0.0000**	**20,257.1403**	**20,257.1403**	**2.8433**	**1.7131**	**20,838.7330**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	6.12	38.33	3.64	9.09	0.00	59.37	11.73	0.00	59.10	29.22	0.00	7.74	7.74	5.16	0.00	7.60

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416		15,789.3670	15,789.3670	1.1119	0.6780	16,019.1984
Total	**16.0935**	**7.3368**	**97.2191**	**0.1566**	**20.0805**	**0.2608**	**20.3412**	**5.3502**	**0.2539**	**5.6041**	**0.0000**	**15,925.8018**	**15,925.8018**	**1.1624**	**0.6795**	**16,157.3617**

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	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927
Energy	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
Mobile	6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416		15,789.3670	15,789.3670	1.1119	0.6780	16,019.1984
Total	**16.0935**	**7.3368**	**97.2191**	**0.1566**	**20.0805**	**0.2608**	**20.3412**	**5.3502**	**0.2539**	**5.6041**	**0.0000**	**15,925.8018**	**15,925.8018**	**1.1624**	**0.6795**	**16,157.3617**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2029	1/31/2029	5	23	
2	Site Preparation	Site Preparation	2/1/2029	2/16/2029	5	12	
3	Grading	Grading	2/17/2029	3/21/2029	5	23	
4	Utilities and Trenching	Grading	3/22/2029	4/23/2029	5	23	
5	Building Construction	Building Construction	4/24/2029	5/3/2030	5	269	
6	Paving	Paving	4/24/2029	5/3/2029	5	8	
7	Architectural Coating	Architectural Coating	11/1/2029	5/7/2030	5	134	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 1

Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 11,976 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Trenchers	2	8.00	78	0.50
Grading	Air Compressors	4	8.00	78	0.48
Grading	Excavators	4	8.00	158	0.38
Grading	Generator Sets	2	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Pumps	2	8.00	84	0.74
Grading	Rough Terrain Forklifts	2	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Welders	4	8.00	46	0.45
Utilities and Trenching	Air Compressors	2	8.00	78	0.48
Utilities and Trenching	Concrete/Industrial Saws	3	8.00	81	0.73
Utilities and Trenching	Excavators	2	8.00	158	0.38
Utilities and Trenching	Generator Sets	2	8.00	84	0.74
Utilities and Trenching	Graders	0	8.00	187	0.41
Utilities and Trenching	Paving Equipment	2	8.00	132	0.36
Utilities and Trenching	Rollers	2	8.00	80	0.38
Utilities and Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities and Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities and Trenching	Signal Boards	4	8.00	6	0.82
Utilities and Trenching	Surfacing Equipment	2	8.00	263	0.30

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities and Trenching	Sweepers/Scrubbers	2	8.00	64	0.46
Utilities and Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Generator Sets	2	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	2	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	303.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	28	70.00	0.00	4,280.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Trenching	29	73.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	344.00	76.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	69.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2029

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					2.8504	0.0000	2.8504	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.0920	26.1995	43.3129	0.0764		1.1231	1.1231		1.0633	1.0633		7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**3.0920**	**26.1995**	**43.3129**	**0.0764**	**2.8504**	**1.1231**	**3.9734**	**0.4316**	**1.0633**	**1.4949**		**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

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	0.0253	1.7154	0.4981	6.8300e-003	0.2306	0.0106	0.2413	0.0632	0.0102	0.0734		756.5618	756.5618	0.0491	0.1204	793.6729
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
Worker	0.0962	0.0557	0.9243	3.1600e-003	0.4471	1.8900e-003	0.4490	0.1186	1.7400e-003	0.1203		319.3505	319.3505	5.8900e-003	7.0100e-003	321.5862
Total	**0.1215**	**1.7711**	**1.4224**	**9.9900e-003**	**0.6777**	**0.0125**	**0.6903**	**0.1818**	**0.0119**	**0.1937**		**1,075.9123**	**1,075.9123**	**0.0550**	**0.1274**	**1,115.2591**

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					1.2827	0.0000	1.2827	0.1942	0.0000	0.1942			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0764		0.1173	0.1173		0.1173	0.1173	0.0000	7,344.5719	7,344.5719	1.6872		7,386.7521
Total	**0.9421**	**6.3876**	**50.3839**	**0.0764**	**1.2827**	**0.1173**	**1.4000**	**0.1942**	**0.1173**	**0.3115**	**0.0000**	**7,344.5719**	**7,344.5719**	**1.6872**		**7,386.7521**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

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	0.0253	1.7154	0.4981	6.8300e-003	0.2306	0.0106	0.2413	0.0632	0.0102	0.0734		756.5618	756.5618	0.0491	0.1204	793.6729
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
Worker	0.0962	0.0557	0.9243	3.1600e-003	0.4471	1.8900e-003	0.4490	0.1186	1.7400e-003	0.1203		319.3505	319.3505	5.8900e-003	7.0100e-003	321.5862
Total	**0.1215**	**1.7711**	**1.4224**	**9.9900e-003**	**0.6777**	**0.0125**	**0.6903**	**0.1818**	**0.0119**	**0.1937**		**1,075.9123**	**1,075.9123**	**0.0550**	**0.1274**	**1,115.2591**

3.3 Site Preparation - 2029

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					0.6628	0.0000	0.6628	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	0.6280	5.8866	5.1373	6.7600e-003		0.3921	0.3921		0.3607	0.3607		654.6902	654.6902	0.2117		659.9837
Total	**0.6280**	**5.8866**	**5.1373**	**6.7600e-003**	**0.6628**	**0.3921**	**1.0549**	**0.0716**	**0.3607**	**0.4323**		**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

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	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
Worker	0.0120	6.9600e-003	0.1155	3.9000e-004	0.0559	2.4000e-004	0.0561	0.0148	2.2000e-004	0.0150		39.9188	39.9188	7.4000e-004	8.8000e-004	40.1983
Total	**0.0120**	**6.9600e-003**	**0.1155**	**3.9000e-004**	**0.0559**	**2.4000e-004**	**0.0561**	**0.0148**	**2.2000e-004**	**0.0150**		**39.9188**	**39.9188**	**7.4000e-004**	**8.8000e-004**	**40.1983**

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					0.2983	0.0000	0.2983	0.0322	0.0000	0.0322			0.0000			0.0000
Off-Road	0.0825	0.3577	5.0900	6.7600e-003		0.0110	0.0110		0.0110	0.0110	0.0000	654.6902	654.6902	0.2117		659.9837
Total	**0.0825**	**0.3577**	**5.0900**	**6.7600e-003**	**0.2983**	**0.0110**	**0.3093**	**0.0322**	**0.0110**	**0.0432**	**0.0000**	**654.6902**	**654.6902**	**0.2117**		**659.9837**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

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	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
Worker	0.0120	6.9600e-003	0.1155	3.9000e-004	0.0559	2.4000e-004	0.0561	0.0148	2.2000e-004	0.0150		39.9188	39.9188	7.4000e-004	8.8000e-004	40.1983
Total	**0.0120**	**6.9600e-003**	**0.1155**	**3.9000e-004**	**0.0559**	**2.4000e-004**	**0.0561**	**0.0148**	**2.2000e-004**	**0.0150**		**39.9188**	**39.9188**	**7.4000e-004**	**8.8000e-004**	**40.1983**

3.4 Grading - 2029

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					0.7056	0.0000	0.7056	0.0908	0.0000	0.0908			0.0000			0.0000
Off-Road	5.4600	44.9228	69.6957	0.1174		1.8203	1.8203		1.7427	1.7427		11,087.5095	11,087.5095	2.2681		11,144.2121
Total	**5.4600**	**44.9228**	**69.6957**	**0.1174**	**0.7056**	**1.8203**	**2.5259**	**0.0908**	**1.7427**	**1.8335**		**11,087.5095**	**11,087.5095**	**2.2681**		**11,144.2121**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

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	0.3568	24.2310	7.0357	0.0965	3.2578	0.1504	3.4081	0.8932	0.1439	1.0371		10,686.7475	10,686.7475	0.6941	1.7009	11,210.9574
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
Worker	0.1683	0.0974	1.6175	5.5300e-003	0.7824	3.3100e-003	0.7858	0.2075	3.0500e-003	0.2106		558.8634	558.8634	0.0103	0.0123	562.7758
Total	**0.5251**	**24.3285**	**8.6532**	**0.1020**	**4.0402**	**0.1537**	**4.1939**	**1.1007**	**0.1469**	**1.2476**		**11,245.6109**	**11,245.6109**	**0.7044**	**1.7131**	**11,773.7331**

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					0.3175	0.0000	0.3175	0.0409	0.0000	0.0409			0.0000			0.0000
Off-Road	2.3436	16.9285	60.0082	0.0940		0.6227	0.6227		0.6027	0.6027	0.0000	9,011.5294	9,011.5294	2.1388		9,064.9998
Total	**2.3436**	**16.9285**	**60.0082**	**0.0940**	**0.3175**	**0.6227**	**0.9402**	**0.0409**	**0.6027**	**0.6435**	**0.0000**	**9,011.5294**	**9,011.5294**	**2.1388**		**9,064.9998**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

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	0.3568	24.2310	7.0357	0.0965	3.2578	0.1504	3.4081	0.8932	0.1439	1.0371		10,686.7475	10,686.7475	0.6941	1.7009	11,210.9574
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
Worker	0.1683	0.0974	1.6175	5.5300e-003	0.7824	3.3100e-003	0.7858	0.2075	3.0500e-003	0.2106		558.8634	558.8634	0.0103	0.0123	562.7758
Total	**0.5251**	**24.3285**	**8.6532**	**0.1020**	**4.0402**	**0.1537**	**4.1939**	**1.1007**	**0.1469**	**1.2476**		**11,245.6109**	**11,245.6109**	**0.7044**	**1.7131**	**11,773.7331**

3.5 Utilities and Trenching - 2029

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					0.3689	0.0000	0.3689	0.0398	0.0000	0.0398			0.0000			0.0000
Off-Road	5.1186	43.3434	61.4493	0.1225		1.8264	1.8264		1.7333	1.7333		11,701.1975	11,701.1975	2.6855		11,768.3352
Total	**5.1186**	**43.3434**	**61.4493**	**0.1225**	**0.3689**	**1.8264**	**2.1952**	**0.0398**	**1.7333**	**1.7731**		**11,701.1975**	**11,701.1975**	**2.6855**		**11,768.3352**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2029

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	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
Worker	0.1756	0.1016	1.6868	5.7700e-003	0.8160	3.4600e-003	0.8194	0.2164	3.1800e-003	0.2196		582.8147	582.8147	0.0108	0.0128	586.8947
Total	**0.1756**	**0.1016**	**1.6868**	**5.7700e-003**	**0.8160**	**3.4600e-003**	**0.8194**	**0.2164**	**3.1800e-003**	**0.2196**		**582.8147**	**582.8147**	**0.0108**	**0.0128**	**586.8947**

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					0.1660	0.0000	0.1660	0.0179	0.0000	0.0179			0.0000			0.0000
Off-Road	1.8197	11.2713	73.1945	0.1197		0.3109	0.3109		0.3109	0.3109	0.0000	11,503.9433	11,503.9433	2.6650		11,570.5690
Total	**1.8197**	**11.2713**	**73.1945**	**0.1197**	**0.1660**	**0.3109**	**0.4769**	**0.0179**	**0.3109**	**0.3288**	**0.0000**	**11,503.9433**	**11,503.9433**	**2.6650**		**11,570.5690**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities and Trenching - 2029

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	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
Worker	0.1756	0.1016	1.6868	5.7700e-003	0.8160	3.4600e-003	0.8194	0.2164	3.1800e-003	0.2196		582.8147	582.8147	0.0108	0.0128	586.8947
Total	**0.1756**	**0.1016**	**1.6868**	**5.7700e-003**	**0.8160**	**3.4600e-003**	**0.8194**	**0.2164**	**3.1800e-003**	**0.2196**		**582.8147**	**582.8147**	**0.0108**	**0.0128**	**586.8947**

3.6 Building Construction - 2029

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	1.7074	15.6213	17.2901	0.0329		0.6733	0.6733		0.6327	0.6327		3,129.0011	3,129.0011	0.7880		3,148.7011
Total	**1.7074**	**15.6213**	**17.2901**	**0.0329**		**0.6733**	**0.6733**		**0.6327**	**0.6327**		**3,129.0011**	**3,129.0011**	**0.7880**		**3,148.7011**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0723	2.9622	1.0753	0.0126	0.4868	0.0146	0.5014	0.1402	0.0140	0.1541		1,365.9460	1,365.9460	0.0525	0.1973	1,426.0433
Worker	0.8273	0.4788	7.9489	0.0272	3.8451	0.0163	3.8614	1.0197	0.0150	1.0347		2,746.4144	2,746.4144	0.0507	0.0603	2,765.6409
Total	**0.8995**	**3.4410**	**9.0242**	**0.0398**	**4.3320**	**0.0309**	**4.3628**	**1.1599**	**0.0289**	**1.1889**		**4,112.3604**	**4,112.3604**	**0.1032**	**0.2575**	**4,191.6843**

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	0.8067	6.8813	19.0858	0.0315		0.1759	0.1759		0.1759	0.1759	0.0000	3,027.9685	3,027.9685	0.7775		3,047.4062
Total	**0.8067**	**6.8813**	**19.0858**	**0.0315**		**0.1759**	**0.1759**		**0.1759**	**0.1759**	**0.0000**	**3,027.9685**	**3,027.9685**	**0.7775**		**3,047.4062**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2029

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	0.0000
Vendor	0.0723	2.9622	1.0753	0.0126	0.4868	0.0146	0.5014	0.1402	0.0140	0.1541		1,365.9460	1,365.9460	0.0525	0.1973	1,426.0433
Worker	0.8273	0.4788	7.9489	0.0272	3.8451	0.0163	3.8614	1.0197	0.0150	1.0347		2,746.4144	2,746.4144	0.0507	0.0603	2,765.6409
Total	**0.8995**	**3.4410**	**9.0242**	**0.0398**	**4.3320**	**0.0309**	**4.3628**	**1.1599**	**0.0289**	**1.1889**		**4,112.3604**	**4,112.3604**	**0.1032**	**0.2575**	**4,191.6843**

3.6 Building Construction - 2030

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	1.6602	8.7744	17.2223	0.0382		0.2113	0.2113		0.2113	0.2113		3,586.4580	3,586.4580	0.1473		3,590.1401
Total	**1.6602**	**8.7744**	**17.2223**	**0.0382**		**0.2113**	**0.2113**		**0.2113**	**0.2113**		**3,586.4580**	**3,586.4580**	**0.1473**		**3,590.1401**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2030

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	0.0000
Vendor	0.0712	2.9435	1.0704	0.0124	0.4869	0.0145	0.5013	0.1402	0.0139	0.1540		1,341.0993	1,341.0993	0.0528	0.1937	1,400.1491
Worker	0.7812	0.4443	7.6181	0.0266	3.8451	0.0152	3.8603	1.0197	0.0140	1.0337		2,688.6016	2,688.6016	0.0469	0.0581	2,707.0764
Total	**0.8523**	**3.3878**	**8.6885**	**0.0390**	**4.3320**	**0.0297**	**4.3617**	**1.1599**	**0.0278**	**1.1878**		**4,029.7010**	**4,029.7010**	**0.0998**	**0.2518**	**4,107.2255**

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	0.6997	6.1100	19.0555	0.0368		0.0927	0.0927		0.0927	0.0927	0.0000	3,485.4254	3,485.4254	0.1368		3,488.8452
Total	**0.6997**	**6.1100**	**19.0555**	**0.0368**		**0.0927**	**0.0927**		**0.0927**	**0.0927**	**0.0000**	**3,485.4254**	**3,485.4254**	**0.1368**		**3,488.8452**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2030

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	0.0000
Vendor	0.0712	2.9435	1.0704	0.0124	0.4869	0.0145	0.5013	0.1402	0.0139	0.1540		1,341.0993	1,341.0993	0.0528	0.1937	1,400.1491
Worker	0.7812	0.4443	7.6181	0.0266	3.8451	0.0152	3.8603	1.0197	0.0140	1.0337		2,688.6016	2,688.6016	0.0469	0.0581	2,707.0764
Total	**0.8523**	**3.3878**	**8.6885**	**0.0390**	**4.3320**	**0.0297**	**4.3617**	**1.1599**	**0.0278**	**1.1878**		**4,029.7010**	**4,029.7010**	**0.0998**	**0.2518**	**4,107.2255**

3.7 Paving - 2029

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	1.8158	16.1658	24.5283	0.0401		0.7550	0.7550		0.7137	0.7137		3,788.5633	3,788.5633	0.8315		3,809.3517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8158**	**16.1658**	**24.5283**	**0.0401**		**0.7550**	**0.7550**		**0.7137**	**0.7137**		**3,788.5633**	**3,788.5633**	**0.8315**		**3,809.3517**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

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	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
Worker	0.0842	0.0487	0.8088	2.7600e-003	0.3912	1.6600e-003	0.3929	0.1038	1.5200e-003	0.1053		279.4317	279.4317	5.1600e-003	6.1300e-003	281.3879
Total	**0.0842**	**0.0487**	**0.8088**	**2.7600e-003**	**0.3912**	**1.6600e-003**	**0.3929**	**0.1038**	**1.5200e-003**	**0.1053**		**279.4317**	**279.4317**	**5.1600e-003**	**6.1300e-003**	**281.3879**

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	0.4954	4.4522	26.7083	0.0387		0.0578	0.0578		0.0578	0.0578	0.0000	3,689.9362	3,689.9362	0.8213		3,710.4687
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4954**	**4.4522**	**26.7083**	**0.0387**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**3,689.9362**	**3,689.9362**	**0.8213**		**3,710.4687**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

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	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
Worker	0.0842	0.0487	0.8088	2.7600e-003	0.3912	1.6600e-003	0.3929	0.1038	1.5200e-003	0.1053		279.4317	279.4317	5.1600e-003	6.1300e-003	281.3879
Total	**0.0842**	**0.0487**	**0.8088**	**2.7600e-003**	**0.3912**	**1.6600e-003**	**0.3929**	**0.1038**	**1.5200e-003**	**0.1053**		**279.4317**	**279.4317**	**5.1600e-003**	**6.1300e-003**	**281.3879**

3.8 Architectural Coating - 2029

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1612	7.6720	9.8071	0.0178		0.3286	0.3286		0.3286	0.3286		1,546.1601	1,546.1601	0.1040		1,548.7606
Total	**20.3593**	**7.6720**	**9.8071**	**0.0178**		**0.3286**	**0.3286**		**0.3286**	**0.3286**		**1,546.1601**	**1,546.1601**	**0.1040**		**1,548.7606**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1659	0.0960	1.5944	5.4500e-003	0.7713	3.2700e-003	0.7745	0.2045	3.0100e-003	0.2076		550.8796	550.8796	0.0102	0.0121	554.7361
Total	**0.1659**	**0.0960**	**1.5944**	**5.4500e-003**	**0.7713**	**3.2700e-003**	**0.7745**	**0.2045**	**3.0100e-003**	**0.2076**		**550.8796**	**550.8796**	**0.0102**	**0.0121**	**554.7361**

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0135		0.2060	0.2060		0.2060	0.2060	0.0000	1,243.0622	1,243.0622	0.0726		1,244.8761
Total	**19.8815**	**4.5820**	**7.2365**	**0.0135**		**0.2060**	**0.2060**		**0.2060**	**0.2060**	**0.0000**	**1,243.0622**	**1,243.0622**	**0.0726**		**1,244.8761**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2029

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	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
Worker	0.1659	0.0960	1.5944	5.4500e-003	0.7713	3.2700e-003	0.7745	0.2045	3.0100e-003	0.2076		550.8796	550.8796	0.0102	0.0121	554.7361
Total	**0.1659**	**0.0960**	**1.5944**	**5.4500e-003**	**0.7713**	**3.2700e-003**	**0.7745**	**0.2045**	**3.0100e-003**	**0.2076**		**550.8796**	**550.8796**	**0.0102**	**0.0121**	**554.7361**

3.8 Architectural Coating - 2030

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9977	6.4935	9.7572	0.0178		0.2013	0.2013		0.2013	0.2013		1,546.1603	1,546.1603	0.0880		1,548.3595
Total	**20.1958**	**6.4935**	**9.7572**	**0.0178**		**0.2013**	**0.2013**		**0.2013**	**0.2013**		**1,546.1603**	**1,546.1603**	**0.0880**		**1,548.3595**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2030

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	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
Worker	0.1567	0.0891	1.5280	5.3400e-003	0.7713	3.0500e-003	0.7743	0.2045	2.8100e-003	0.2074		539.2835	539.2835	9.4100e-003	0.0117	542.9892
Total	**0.1567**	**0.0891**	**1.5280**	**5.3400e-003**	**0.7713**	**3.0500e-003**	**0.7743**	**0.2045**	**2.8100e-003**	**0.2074**		**539.2835**	**539.2835**	**9.4100e-003**	**0.0117**	**542.9892**

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	19.1981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0135		0.0812	0.0812		0.0812	0.0812	0.0000	1,243.0624	1,243.0624	0.0565		1,244.4749
Total	**19.7211**	**3.4251**	**7.1910**	**0.0135**		**0.0812**	**0.0812**		**0.0812**	**0.0812**	**0.0000**	**1,243.0624**	**1,243.0624**	**0.0565**		**1,244.4749**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - 2030

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	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
Worker	0.1567	0.0891	1.5280	5.3400e-003	0.7713	3.0500e-003	0.7743	0.2045	2.8100e-003	0.2074		539.2835	539.2835	9.4100e-003	0.0117	542.9892
Total	**0.1567**	**0.0891**	**1.5280**	**5.3400e-003**	**0.7713**	**3.0500e-003**	**0.7743**	**0.2045**	**2.8100e-003**	**0.2074**		**539.2835**	**539.2835**	**9.4100e-003**	**0.0117**	**542.9892**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416		15,789.3670	15,789.3670	1.1119	0.6780	16,019.1984
Unmitigated	6.8776	6.9398	68.8814	0.1546	20.0805	0.0982	20.1787	5.3502	0.0914	5.4416		15,789.3670	15,789.3670	1.1119	0.6780	16,019.1984

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,344.56	1,344.56	1344.56	4,169,857	4,169,857
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	706.10	706.10	706.10	3,084,245	3,084,245
Strip Mall	521.90	521.90	521.90	2,279,659	2,279,659
Total	2,572.56	2,572.56	2,572.56	9,533,761	9,533,761

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	8.52	8.52	8.52	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.00	12.00	12.00	33.00	48.00	19.00	100	0	0
Strip Mall	12.00	12.00	12.00	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Strip Mall	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707
NaturalGas Unmitigated	7.8200e-003	0.0711	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003		85.3634	85.3634	1.6400e-003	1.5600e-003	85.8707

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	649.671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	75.9178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
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	0.649671	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003		76.4319	76.4319	1.4600e-003	1.4000e-003	76.8861
Strip Mall	0.0759178	8.2000e-004	7.4400e-003	6.2500e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9315	8.9315	1.7000e-004	1.6000e-004	8.9846
Total		**7.8300e-003**	**0.0711**	**0.0598**	**4.2000e-004**		**5.4100e-003**	**5.4100e-003**		**5.4100e-003**	**5.4100e-003**		**85.3634**	**85.3634**	**1.6300e-003**	**1.5600e-003**	**85.8707**

6.0 Area Detail

6.1 Mitigation Measures Area

OSP - Partial Preservation Phase 3 - Rebuild - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927
Unmitigated	9.2081	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571	0.0000	51.0714	51.0714	0.0489	0.0000	52.2927

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	0.7048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6541					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	0.8492	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571		51.0714	51.0714	0.0489		52.2927
Total	**9.2081**	**0.3259**	**28.2779**	**1.5000e-003**		**0.1571**	**0.1571**		**0.1571**	**0.1571**	**0.0000**	**51.0714**	**51.0714**	**0.0489**	**0.0000**	**52.2927**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.7048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.6541					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	0.8492	0.3259	28.2779	1.5000e-003		0.1571	0.1571		0.1571	0.1571		51.0714	51.0714	0.0489		52.2927
Total	**9.2081**	**0.3259**	**28.2779**	**1.5000e-003**		**0.1571**	**0.1571**		**0.1571**	**0.1571**	**0.0000**	**51.0714**	**51.0714**	**0.0489**	**0.0000**	**52.2927**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	104.00	Dwelling Unit	3.60	104,000.00	297

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	202.00
tblConstructionPhase	NumDays	230.00	403.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	1/9/2031	9/9/2031
tblConstructionPhase	PhaseEndDate	12/16/2030	9/4/2031
tblConstructionPhase	PhaseEndDate	1/28/2030	2/18/2030

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseStartDate	12/17/2030	12/1/2030
tblConstructionPhase	PhaseStartDate	1/29/2030	2/19/2030
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	88.40	0.00
tblFireplaces	NumberNoFireplace	10.40	104.00
tblFireplaces	NumberWood	5.20	0.00
tblLandUse	LotAcreage	2.74	3.60
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	NumberCatalytic	5.20	0.00
tblWoodstoves	NumberNoncatalytic	5.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2030	0.3114	1.4197	3.0679	7.0000e-003	0.1176	0.0338	0.1515	0.0306	0.0338	0.0644	0.0000	603.8472	603.8472	0.0226	4.5800e-003	605.7766
2031	0.5431	1.4080	2.5894	5.7500e-003	0.0937	0.0373	0.1310	0.0250	0.0373	0.0623	0.0000	485.7841	485.7841	0.0205	3.4100e-003	487.3134
Maximum	**0.5431**	**1.4197**	**3.0679**	**7.0000e-003**	**0.1176**	**0.0373**	**0.1515**	**0.0306**	**0.0373**	**0.0644**	**0.0000**	**603.8472**	**603.8472**	**0.0226**	**4.5800e-003**	**605.7766**

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					
2030	0.1223	0.6500	3.3545	6.8000e-003	0.1176	8.4400e-003	0.1261	0.0306	8.4000e-003	0.0390	0.0000	590.4649	590.4649	0.0212	4.5800e-003	592.3596
2031	0.3551	0.4605	2.5413	5.2400e-003	0.0937	6.2800e-003	0.0999	0.0250	6.2500e-003	0.0313	0.0000	452.9253	452.9253	0.0171	3.4100e-003	454.3693
Maximum	**0.3551**	**0.6500**	**3.3545**	**6.8000e-003**	**0.1176**	**8.4400e-003**	**0.1261**	**0.0306**	**8.4000e-003**	**0.0390**	**0.0000**	**590.4649**	**590.4649**	**0.0212**	**4.5800e-003**	**592.3596**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**44.13**	**60.73**	**-4.22**	**5.57**	**0.00**	**79.32**	**19.98**	**0.00**	**79.39**	**44.54**	**0.00**	**4.24**	**4.24**	**11.14**	**0.00**	**4.24**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2030**	**3-31-2030**	0.5191	0.2117
2	**4-1-2030**	**6-30-2030**	0.3604	0.1701
3	**7-1-2030**	**9-30-2030**	0.3644	0.1720
4	**10-1-2030**	**12-31-2030**	0.4850	0.2167
5	**1-1-2031**	**3-31-2031**	0.7032	0.2946
6	**4-1-2031**	**6-30-2031**	0.7095	0.2963
7	**7-1-2031**	**9-30-2031**	0.5338	0.2219
		Highest	0.7095	0.2963

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4403	0.0123	1.0697	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	1.7519	1.7519	1.6700e-003	0.0000	1.7937
Energy	4.0400e-003	0.0345	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	105.0531	105.0531	6.2600e-003	1.4000e-003	105.6264
Mobile	0.1722	0.1712	1.6985	3.7200e-003	0.4747	2.2900e-003	0.4770	0.1267	2.1300e-003	0.1288	0.0000	344.4056	344.4056	0.0248	0.0152	349.5481
Waste						0.0000	0.0000		0.0000	0.0000	9.7111	0.0000	9.7111	0.5739	0.0000	24.0588
Water						0.0000	0.0000		0.0000	0.0000	2.1497	24.0641	26.2139	0.2228	5.4600e-003	33.4115
Total	**0.6166**	**0.2181**	**2.7829**	**4.0000e-003**	**0.4747**	**0.0110**	**0.4857**	**0.1267**	**0.0109**	**0.1376**	**11.8608**	**475.2748**	**487.1356**	**0.8294**	**0.0220**	**514.4385**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4403	0.0123	1.0697	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	1.7519	1.7519	1.6700e-003	0.0000	1.7937
Energy	4.0400e-003	0.0345	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	105.0531	105.0531	6.2600e-003	1.4000e-003	105.6264
Mobile	0.1722	0.1712	1.6985	3.7200e-003	0.4747	2.2900e-003	0.4770	0.1267	2.1300e-003	0.1288	0.0000	344.4056	344.4056	0.0248	0.0152	349.5481
Waste						0.0000	0.0000		0.0000	0.0000	9.7111	0.0000	9.7111	0.5739	0.0000	24.0588
Water						0.0000	0.0000		0.0000	0.0000	2.1497	24.0641	26.2139	0.2228	5.4600e-003	33.4115
Total	**0.6166**	**0.2181**	**2.7829**	**4.0000e-003**	**0.4747**	**0.0110**	**0.4857**	**0.1267**	**0.0109**	**0.1376**	**11.8608**	**475.2748**	**487.1356**	**0.8294**	**0.0220**	**514.4385**

	ROG	NOx	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	Demolition	Demolition	1/1/2030	2/18/2030	5	35	
2	Building Construction	Building Construction	2/19/2030	9/4/2031	5	403	
3	Architectural Coating	Architectural Coating	12/1/2030	9/9/2031	5	202	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 210,600; Residential Outdoor: 70,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	3	8.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Welders	0	8.00	46	0.45
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

Trips and VMT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Architectural Coating	12	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	75.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	16	40.00	0.00	64.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 Demolition - 2030

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					6.9100e-003	0.0000	6.9100e-003	1.0500e-003	0.0000	1.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0569	0.2925	0.7852	1.5400e-003		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	132.2200	132.2200	4.5400e-003	0.0000	132.3335
Total	**0.0569**	**0.2925**	**0.7852**	**1.5400e-003**	**6.9100e-003**	**7.0600e-003**	**0.0140**	**1.0500e-003**	**7.0600e-003**	**8.1100e-003**	**0.0000**	**132.2200**	**132.2200**	**4.5400e-003**	**0.0000**	**132.3335**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

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	6.0000e-005	4.1600e-003	1.2100e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.5000e-004	2.0000e-005	1.8000e-004	0.0000	1.6319	1.6319	1.1000e-004	2.6000e-004	1.7120
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	1.4500e-003	9.2000e-004	0.0159	5.0000e-005	7.6700e-003	3.0000e-005	7.7000e-003	2.0400e-003	3.0000e-005	2.0700e-003	0.0000	5.0366	5.0366	9.0000e-005	1.1000e-004	5.0712
Total	**1.5100e-003**	**5.0800e-003**	**0.0171**	**7.0000e-005**	**8.2200e-003**	**6.0000e-005**	**8.2800e-003**	**2.1900e-003**	**5.0000e-005**	**2.2500e-003**	**0.0000**	**6.6685**	**6.6685**	**2.0000e-004**	**3.7000e-004**	**6.7832**

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					6.9100e-003	0.0000	6.9100e-003	1.0500e-003	0.0000	1.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0165	0.1113	0.8809	1.5400e-003		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	132.2198	132.2198	4.5400e-003	0.0000	132.3333
Total	**0.0165**	**0.1113**	**0.8809**	**1.5400e-003**	**6.9100e-003**	**2.0500e-003**	**8.9600e-003**	**1.0500e-003**	**2.0500e-003**	**3.1000e-003**	**0.0000**	**132.2198**	**132.2198**	**4.5400e-003**	**0.0000**	**132.3333**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

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	6.0000e-005	4.1600e-003	1.2100e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.5000e-004	2.0000e-005	1.8000e-004	0.0000	1.6319	1.6319	1.1000e-004	2.6000e-004	1.7120
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	1.4500e-003	9.2000e-004	0.0159	5.0000e-005	7.6700e-003	3.0000e-005	7.7000e-003	2.0400e-003	3.0000e-005	2.0700e-003	0.0000	5.0366	5.0366	9.0000e-005	1.1000e-004	5.0712
Total	**1.5100e-003**	**5.0800e-003**	**0.0171**	**7.0000e-005**	**8.2200e-003**	**6.0000e-005**	**8.2800e-003**	**2.1900e-003**	**5.0000e-005**	**2.2500e-003**	**0.0000**	**6.6685**	**6.6685**	**2.0000e-004**	**3.7000e-004**	**6.7832**

3.3 Building Construction - 2030

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	0.1875	0.9911	1.9449	4.3200e-003		0.0239	0.0239		0.0239	0.0239	0.0000	367.4869	367.4869	0.0151	0.0000	367.8642
Total	**0.1875**	**0.9911**	**1.9449**	**4.3200e-003**		**0.0239**	**0.0239**		**0.0239**	**0.0239**	**0.0000**	**367.4869**	**367.4869**	**0.0151**	**0.0000**	**367.8642**

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3.3 Building Construction - 2030

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	1.2000e-003	0.0482	0.0172	2.0000e-004	7.8300e-003	2.4000e-004	8.0700e-003	2.2600e-003	2.3000e-004	2.4900e-003	0.0000	19.8767	19.8767	7.9000e-004	2.8700e-003	20.7519
Worker	0.0175	0.0112	0.1924	6.6000e-004	0.0929	3.7000e-004	0.0932	0.0247	3.4000e-004	0.0250	0.0000	60.9788	60.9788	1.0500e-003	1.3200e-003	61.3974
Total	**0.0187**	**0.0594**	**0.2096**	**8.6000e-004**	**0.1007**	**6.1000e-004**	**0.1013**	**0.0269**	**5.7000e-004**	**0.0275**	**0.0000**	**80.8555**	**80.8555**	**1.8400e-003**	**4.1900e-003**	**82.1493**

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	0.0485	0.4683	2.1625	4.1600e-003		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003	0.0000	357.1294	357.1294	0.0140	0.0000	357.4798
Total	**0.0485**	**0.4683**	**2.1625**	**4.1600e-003**		**5.5400e-003**	**5.5400e-003**		**5.5400e-003**	**5.5400e-003**	**0.0000**	**357.1294**	**357.1294**	**0.0140**	**0.0000**	**357.4798**

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3.3 Building Construction - 2030

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	1.2000e-003	0.0482	0.0172	2.0000e-004	7.8300e-003	2.4000e-004	8.0700e-003	2.2600e-003	2.3000e-004	2.4900e-003	0.0000	19.8767	19.8767	7.9000e-004	2.8700e-003	20.7519
Worker	0.0175	0.0112	0.1924	6.6000e-004	0.0929	3.7000e-004	0.0932	0.0247	3.4000e-004	0.0250	0.0000	60.9788	60.9788	1.0500e-003	1.3200e-003	61.3974
Total	**0.0187**	**0.0594**	**0.2096**	**8.6000e-004**	**0.1007**	**6.1000e-004**	**0.1013**	**0.0269**	**5.7000e-004**	**0.0275**	**0.0000**	**80.8555**	**80.8555**	**1.8400e-003**	**4.1900e-003**	**82.1493**

3.3 Building Construction - 2031

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	0.1469	0.7762	1.5233	3.3800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	287.8105	287.8105	0.0118	0.0000	288.1060
Total	**0.1469**	**0.7762**	**1.5233**	**3.3800e-003**		**0.0187**	**0.0187**		**0.0187**	**0.0187**	**0.0000**	**287.8105**	**287.8105**	**0.0118**	**0.0000**	**288.1060**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2031

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	9.3000e-004	0.0376	0.0135	1.6000e-004	6.1400e-003	1.8000e-004	6.3200e-003	1.7700e-003	1.7000e-004	1.9500e-003	0.0000	15.2919	15.2919	6.2000e-004	2.2100e-003	15.9656
Worker	0.0129	8.1300e-003	0.1450	5.1000e-004	0.0727	2.8000e-004	0.0730	0.0193	2.5000e-004	0.0196	0.0000	46.9033	46.9033	7.6000e-004	1.0000e-003	47.2195
Total	**0.0138**	**0.0457**	**0.1585**	**6.7000e-004**	**0.0789**	**4.6000e-004**	**0.0793**	**0.0211**	**4.2000e-004**	**0.0215**	**0.0000**	**62.1952**	**62.1952**	**1.3800e-003**	**3.2100e-003**	**63.1851**

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	0.0380	0.3668	1.6937	3.2600e-003		4.3400e-003	4.3400e-003		4.3400e-003	4.3400e-003	0.0000	279.6987	279.6987	0.0110	0.0000	279.9731
Total	**0.0380**	**0.3668**	**1.6937**	**3.2600e-003**		**4.3400e-003**	**4.3400e-003**		**4.3400e-003**	**4.3400e-003**	**0.0000**	**279.6987**	**279.6987**	**0.0110**	**0.0000**	**279.9731**

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3.3 Building Construction - 2031

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	9.3000e-004	0.0376	0.0135	1.6000e-004	6.1400e-003	1.8000e-004	6.3200e-003	1.7700e-003	1.7000e-004	1.9500e-003	0.0000	15.2919	15.2919	6.2000e-004	2.2100e-003	15.9656
Worker	0.0129	8.1300e-003	0.1450	5.1000e-004	0.0727	2.8000e-004	0.0730	0.0193	2.5000e-004	0.0196	0.0000	46.9033	46.9033	7.6000e-004	1.0000e-003	47.2195
Total	**0.0138**	**0.0457**	**0.1585**	**6.7000e-004**	**0.0789**	**4.6000e-004**	**0.0793**	**0.0211**	**4.2000e-004**	**0.0215**	**0.0000**	**62.1952**	**62.1952**	**1.3800e-003**	**3.2100e-003**	**63.1851**

3.4 Architectural Coating - 2030

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	0.0354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.0714	0.1073	2.0000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	15.4292	15.4292	8.8000e-004	0.0000	15.4511
Total	**0.0464**	**0.0714**	**0.1073**	**2.0000e-004**		**2.2100e-003**	**2.2100e-003**		**2.2100e-003**	**2.2100e-003**	**0.0000**	**15.4292**	**15.4292**	**8.8000e-004**	**0.0000**	**15.4511**

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3.4 Architectural Coating - 2030

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	3.4000e-004	2.2000e-004	3.7400e-003	1.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.1872	1.1872	2.0000e-005	3.0000e-005	1.1954
Total	**3.4000e-004**	**2.2000e-004**	**3.7400e-003**	**1.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.1872**	**1.1872**	**2.0000e-005**	**3.0000e-005**	**1.1954**

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	0.0354					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	5.6700e-003	0.0806	1.5000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	12.4046	12.4046	5.6000e-004	0.0000	12.4186
Total	**0.0368**	**5.6700e-003**	**0.0806**	**1.5000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**12.4046**	**12.4046**	**5.6000e-004**	**0.0000**	**12.4186**

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3.4 Architectural Coating - 2030

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	3.4000e-004	2.2000e-004	3.7400e-003	1.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.1872	1.1872	2.0000e-005	3.0000e-005	1.1954
Total	**3.4000e-004**	**2.2000e-004**	**3.7400e-003**	**1.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.1872**	**1.1872**	**2.0000e-005**	**3.0000e-005**	**1.1954**

3.4 Architectural Coating - 2031

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	0.2899					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0898	0.5844	0.8782	1.6000e-003		0.0181	0.0181		0.0181	0.0181	0.0000	126.2388	126.2388	7.1800e-003	0.0000	126.4183
Total	**0.3797**	**0.5844**	**0.8782**	**1.6000e-003**		**0.0181**	**0.0181**		**0.0181**	**0.0181**	**0.0000**	**126.2388**	**126.2388**	**7.1800e-003**	**0.0000**	**126.4183**

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3.4 Architectural Coating - 2031

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	2.6300e-003	1.6500e-003	0.0295	1.0000e-004	0.0148	6.0000e-005	0.0149	3.9300e-003	5.0000e-005	3.9800e-003	0.0000	9.5397	9.5397	1.5000e-004	2.0000e-004	9.6040
Total	**2.6300e-003**	**1.6500e-003**	**0.0295**	**1.0000e-004**	**0.0148**	**6.0000e-005**	**0.0149**	**3.9300e-003**	**5.0000e-005**	**3.9800e-003**	**0.0000**	**9.5397**	**9.5397**	**1.5000e-004**	**2.0000e-004**	**9.6040**

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	0.2899					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.0464	0.6597	1.2200e-003		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	101.4917	101.4917	4.6100e-003	0.0000	101.6071
Total	**0.3006**	**0.0464**	**0.6597**	**1.2200e-003**		**1.4300e-003**	**1.4300e-003**		**1.4300e-003**	**1.4300e-003**	**0.0000**	**101.4917**	**101.4917**	**4.6100e-003**	**0.0000**	**101.6071**

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3.4 Architectural Coating - 2031

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	2.6300e-003	1.6500e-003	0.0295	1.0000e-004	0.0148	6.0000e-005	0.0149	3.9300e-003	5.0000e-005	3.9800e-003	0.0000	9.5397	9.5397	1.5000e-004	2.0000e-004	9.6040
Total	**2.6300e-003**	**1.6500e-003**	**0.0295**	**1.0000e-004**	**0.0148**	**6.0000e-005**	**0.0149**	**3.9300e-003**	**5.0000e-005**	**3.9800e-003**	**0.0000**	**9.5397**	**9.5397**	**1.5000e-004**	**2.0000e-004**	**9.6040**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1722	0.1712	1.6985	3.7200e-003	0.4747	2.2900e-003	0.4770	0.1267	2.1300e-003	0.1288	0.0000	344.4056	344.4056	0.0248	0.0152	349.5481
Unmitigated	0.1722	0.1712	1.6985	3.7200e-003	0.4747	2.2900e-003	0.4770	0.1267	2.1300e-003	0.1288	0.0000	344.4056	344.4056	0.0248	0.0152	349.5481

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	407.68	407.68	407.68	1,262,846	1,262,846
Total	407.68	407.68	407.68	1,262,846	1,262,846

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	65.0497	65.0497	5.4900e-003	6.7000e-004	65.3853
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	65.0497	65.0497	5.4900e-003	6.7000e-004	65.3853
NaturalGas Mitigated	4.0400e-003	0.0345	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	40.0033	40.0033	7.7000e-004	7.3000e-004	40.2411
NaturalGas Unmitigated	4.0400e-003	0.0345	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	40.0033	40.0033	7.7000e-004	7.3000e-004	40.2411

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	749634	4.0400e-003	0.0345	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	40.0033	40.0033	7.7000e-004	7.3000e-004	40.2411
Total		**4.0400e-003**	**0.0345**	**0.0147**	**2.2000e-004**		**2.7900e-003**	**2.7900e-003**		**2.7900e-003**	**2.7900e-003**	**0.0000**	**40.0033**	**40.0033**	**7.7000e-004**	**7.3000e-004**	**40.2411**

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	749634	4.0400e-003	0.0345	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	40.0033	40.0033	7.7000e-004	7.3000e-004	40.2411
Total		**4.0400e-003**	**0.0345**	**0.0147**	**2.2000e-004**		**2.7900e-003**	**2.7900e-003**		**2.7900e-003**	**2.7900e-003**	**0.0000**	**40.0033**	**40.0033**	**7.7000e-004**	**7.3000e-004**	**40.2411**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	366797	65.0497	5.4900e-003	6.7000e-004	65.3853
Total		**65.0497**	**5.4900e-003**	**6.7000e-004**	**65.3853**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	366797	65.0497	5.4900e-003	6.7000e-004	65.3853
Total		**65.0497**	**5.4900e-003**	**6.7000e-004**	**65.3853**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.4403	0.0123	1.0697	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	1.7519	1.7519	1.6700e-003	0.0000	1.7937
Unmitigated	0.4403	0.0123	1.0697	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	1.7519	1.7519	1.6700e-003	0.0000	1.7937

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	0.0325					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3758					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	0.0320	0.0123	1.0697	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	1.7519	1.7519	1.6700e-003	0.0000	1.7937
Total	**0.4403**	**0.0123**	**1.0697**	**6.0000e-005**		**5.9500e-003**	**5.9500e-003**		**5.9500e-003**	**5.9500e-003**	**0.0000**	**1.7519**	**1.7519**	**1.6700e-003**	**0.0000**	**1.7937**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0325					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3758					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	0.0320	0.0123	1.0697	6.0000e-005		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	1.7519	1.7519	1.6700e-003	0.0000	1.7937
Total	**0.4403**	**0.0123**	**1.0697**	**6.0000e-005**		**5.9500e-003**	**5.9500e-003**		**5.9500e-003**	**5.9500e-003**	**0.0000**	**1.7519**	**1.7519**	**1.6700e-003**	**0.0000**	**1.7937**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.2139	0.2228	5.4600e-003	33.4115
Unmitigated	26.2139	0.2228	5.4600e-003	33.4115

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.77602 / 4.27184	26.2139	0.2228	5.4600e-003	33.4115
Total		**26.2139**	**0.2228**	**5.4600e-003**	**33.4115**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.77602 / 4.27184	26.2139	0.2228	5.4600e-003	33.4115
Total		**26.2139**	**0.2228**	**5.4600e-003**	**33.4115**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.7111	0.5739	0.0000	24.0588
Unmitigated	9.7111	0.5739	0.0000	24.0588

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	47.84	9.7111	0.5739	0.0000	24.0588
Total		**9.7111**	**0.5739**	**0.0000**	**24.0588**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	47.84	9.7111	0.5739	0.0000	24.0588
Total		**9.7111**	**0.5739**	**0.0000**	**24.0588**

9.0 Operational Offroad

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	104.00	Dwelling Unit	3.60	104,000.00	297

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	202.00
tblConstructionPhase	NumDays	230.00	403.00
tblConstructionPhase	NumDays	20.00	35.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberGas	88.40	0.00
tblFireplaces	NumberNoFireplace	10.40	104.00
tblFireplaces	NumberWood	5.20	0.00
tblLandUse	LotAcreage	2.74	3.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	NumberCatalytic	5.20	0.00
tblWoodstoves	NumberNoncatalytic	5.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2030	6.0766	17.0098	45.9585	0.0922	1.0764	0.4188	1.4952	0.2871	0.4183	0.7054	0.0000	8,765.2051	8,765.2051	0.2985	0.0422	8,779.4284
2031	6.0652	15.7704	29.2090	0.0650	1.0765	0.4185	1.4949	0.2871	0.4181	0.7052	0.0000	6,051.8964	6,051.8964	0.2541	0.0413	6,070.5436
Maximum	**6.0766**	**17.0098**	**45.9585**	**0.0922**	**1.0765**	**0.4188**	**1.4952**	**0.2871**	**0.4183**	**0.7054**	**0.0000**	**8,765.2051**	**8,765.2051**	**0.2985**	**0.0422**	**8,779.4284**

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					
2030	3.9678	6.6601	51.4128	0.0922	1.0764	0.1205	1.1474	0.2871	0.1203	0.3577	0.0000	8,765.2051	8,765.2051	0.2985	0.0422	8,779.4284
2031	3.9565	5.1877	28.7071	0.0593	1.0765	0.0707	1.1472	0.2871	0.0703	0.3574	0.0000	5,647.7659	5,647.7659	0.2122	0.0413	5,665.3641
Maximum	**3.9678**	**6.6601**	**51.4128**	**0.0922**	**1.0765**	**0.1205**	**1.1474**	**0.2871**	**0.1203**	**0.3577**	**0.0000**	**8,765.2051**	**8,765.2051**	**0.2985**	**0.0422**	**8,779.4284**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	34.73	63.86	-6.59	3.61	0.00	77.16	23.26	0.00	77.21	49.31	0.00	2.73	2.73	7.59	0.00	2.73

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174
Energy	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Mobile	0.9806	0.8620	9.3626	0.0211	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,152.7222	2,152.7222	0.1468	0.0879	2,182.5793
Total	**3.4962**	**1.1499**	**18.0006**	**0.0228**	**2.6600**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7833**	**0.0000**	**2,409.7942**	**2,409.7942**	**0.1662**	**0.0923**	**2,441.4552**

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	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174
Energy	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Mobile	0.9806	0.8620	9.3626	0.0211	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,152.7222	2,152.7222	0.1468	0.0879	2,182.5793
Total	**3.4962**	**1.1499**	**18.0006**	**0.0228**	**2.6600**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7833**	**0.0000**	**2,409.7942**	**2,409.7942**	**0.1662**	**0.0923**	**2,441.4552**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2030	2/18/2030	5	35	
2	Building Construction	Building Construction	2/19/2030	9/4/2031	5	403	
3	Architectural Coating	Architectural Coating	12/1/2030	9/9/2031	5	202	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 210,600; Residential Outdoor: 70,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	64.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	75.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

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					0.3949	0.0000	0.3949	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	3.2545	16.7373	44.9295	0.0880		0.4036	0.4036		0.4036	0.4036		8,332.5862	8,332.5862	0.2862		8,339.7423
Total	**3.2545**	**16.7373**	**44.9295**	**0.0880**	**0.3949**	**0.4036**	**0.7985**	**0.0598**	**0.4036**	**0.4634**		**8,332.5862**	**8,332.5862**	**0.2862**		**8,339.7423**

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	3.7400e-003	0.2256	0.0689	9.3000e-004	0.0320	1.4600e-003	0.0335	8.7800e-003	1.4000e-003	0.0102		102.7413	102.7413	6.8900e-003	0.0164	107.7881
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
Worker	0.0828	0.0469	0.9601	3.2600e-003	0.4471	1.7700e-003	0.4489	0.1186	1.6300e-003	0.1202		329.8776	329.8776	5.3400e-003	6.3300e-003	331.8981
Total	**0.0865**	**0.2725**	**1.0290**	**4.1900e-003**	**0.4791**	**3.2300e-003**	**0.4823**	**0.1274**	**3.0300e-003**	**0.1304**		**432.6189**	**432.6189**	**0.0122**	**0.0227**	**439.6861**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

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					0.3949	0.0000	0.3949	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0880		0.1173	0.1173		0.1173	0.1173	0.0000	8,332.5862	8,332.5862	0.2862		8,339.7423
Total	**0.9421**	**6.3876**	**50.3839**	**0.0880**	**0.3949**	**0.1173**	**0.5122**	**0.0598**	**0.1173**	**0.1771**	**0.0000**	**8,332.5862**	**8,332.5862**	**0.2862**		**8,339.7423**

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	3.7400e-003	0.2256	0.0689	9.3000e-004	0.0320	1.4600e-003	0.0335	8.7800e-003	1.4000e-003	0.0102		102.7413	102.7413	6.8900e-003	0.0164	107.7881
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
Worker	0.0828	0.0469	0.9601	3.2600e-003	0.4471	1.7700e-003	0.4489	0.1186	1.6300e-003	0.1202		329.8776	329.8776	5.3400e-003	6.3300e-003	331.8981
Total	**0.0865**	**0.2725**	**1.0290**	**4.1900e-003**	**0.4791**	**3.2300e-003**	**0.4823**	**0.1274**	**3.0300e-003**	**0.1304**		**432.6189**	**432.6189**	**0.0122**	**0.0227**	**439.6861**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2030

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	1.6602	8.7744	17.2223	0.0382		0.2113	0.2113		0.2113	0.2113		3,586.4580	3,586.4580	0.1473		3,590.1401
Total	**1.6602**	**8.7744**	**17.2223**	**0.0382**		**0.2113**	**0.2113**		**0.2113**	**0.2113**		**3,586.4580**	**3,586.4580**	**0.1473**		**3,590.1401**

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	0.0000
Vendor	0.0108	0.4067	0.1502	1.7900e-003	0.0705	2.0900e-003	0.0726	0.0203	2.0000e-003	0.0223		193.7437	193.7437	7.6900e-003	0.0280	202.2696
Worker	0.1553	0.0879	1.8002	6.1200e-003	0.8383	3.3200e-003	0.8416	0.2223	3.0500e-003	0.2254		618.5205	618.5205	0.0100	0.0119	622.3089
Total	**0.1661**	**0.4945**	**1.9504**	**7.9100e-003**	**0.9088**	**5.4100e-003**	**0.9142**	**0.2426**	**5.0500e-003**	**0.2477**		**812.2641**	**812.2641**	**0.0177**	**0.0398**	**824.5785**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2030

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	0.4303	4.1700	19.1479	0.0368		0.0491	0.0491		0.0491	0.0491	0.0000	3,485.4254	3,485.4254	0.1368		3,488.8452
Total	**0.4303**	**4.1700**	**19.1479**	**0.0368**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,485.4254**	**3,485.4254**	**0.1368**		**3,488.8452**

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	0.0000
Vendor	0.0108	0.4067	0.1502	1.7900e-003	0.0705	2.0900e-003	0.0726	0.0203	2.0000e-003	0.0223		193.7437	193.7437	7.6900e-003	0.0280	202.2696
Worker	0.1553	0.0879	1.8002	6.1200e-003	0.8383	3.3200e-003	0.8416	0.2223	3.0500e-003	0.2254		618.5205	618.5205	0.0100	0.0119	622.3089
Total	**0.1661**	**0.4945**	**1.9504**	**7.9100e-003**	**0.9088**	**5.4100e-003**	**0.9142**	**0.2426**	**5.0500e-003**	**0.2477**		**812.2641**	**812.2641**	**0.0177**	**0.0398**	**824.5785**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2031

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	1.6602	8.7744	17.2223	0.0382		0.2113	0.2113		0.2113	0.2113		3,586.4580	3,586.4580	0.1473		3,590.1401
Total	**1.6602**	**8.7744**	**17.2223**	**0.0382**		**0.2113**	**0.2113**		**0.2113**	**0.2113**		**3,586.4580**	**3,586.4580**	**0.1473**		**3,590.1401**

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	0.0000
Vendor	0.0107	0.4045	0.1500	1.7600e-003	0.0705	2.0500e-003	0.0725	0.0203	1.9600e-003	0.0223		190.3159	190.3159	7.7400e-003	0.0275	198.6965
Worker	0.1459	0.0817	1.7329	6.0100e-003	0.8383	3.1100e-003	0.8414	0.2223	2.8700e-003	0.2252		607.4685	607.4685	9.2900e-003	0.0115	611.1229
Total	**0.1566**	**0.4862**	**1.8829**	**7.7700e-003**	**0.9088**	**5.1600e-003**	**0.9140**	**0.2426**	**4.8300e-003**	**0.2474**		**797.7844**	**797.7844**	**0.0170**	**0.0390**	**809.8195**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2031

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	0.4303	4.1700	19.1479	0.0368		0.0491	0.0491		0.0491	0.0491	0.0000	3,485.4254	3,485.4254	0.1368		3,488.8452
Total	**0.4303**	**4.1700**	**19.1479**	**0.0368**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,485.4254**	**3,485.4254**	**0.1368**		**3,488.8452**

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	0.0000
Vendor	0.0107	0.4045	0.1500	1.7600e-003	0.0705	2.0500e-003	0.0725	0.0203	1.9600e-003	0.0223		190.3159	190.3159	7.7400e-003	0.0275	198.6965
Worker	0.1459	0.0817	1.7329	6.0100e-003	0.8383	3.1100e-003	0.8414	0.2223	2.8700e-003	0.2252		607.4685	607.4685	9.2900e-003	0.0115	611.1229
Total	**0.1566**	**0.4862**	**1.8829**	**7.7700e-003**	**0.9088**	**5.1600e-003**	**0.9140**	**0.2426**	**4.8300e-003**	**0.2474**		**797.7844**	**797.7844**	**0.0170**	**0.0390**	**809.8195**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2030

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9977	6.4935	9.7572	0.0178		0.2013	0.2013		0.2013	0.2013		1,546.1603	1,546.1603	0.0880		1,548.3595
Total	**4.2192**	**6.4935**	**9.7572**	**0.0178**		**0.2013**	**0.2013**		**0.2013**	**0.2013**		**1,546.1603**	**1,546.1603**	**0.0880**		**1,548.3595**

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	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
Worker	0.0311	0.0176	0.3600	1.2200e-003	0.1677	6.6000e-004	0.1683	0.0445	6.1000e-004	0.0451		123.7041	123.7041	2.0000e-003	2.3700e-003	124.4618
Total	**0.0311**	**0.0176**	**0.3600**	**1.2200e-003**	**0.1677**	**6.6000e-004**	**0.1683**	**0.0445**	**6.1000e-004**	**0.0451**		**123.7041**	**123.7041**	**2.0000e-003**	**2.3700e-003**	**124.4618**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2030

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0624	1,243.0624	0.0565		1,244.4749
Total	**3.3404**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0624**	**1,243.0624**	**0.0565**		**1,244.4749**

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	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
Worker	0.0311	0.0176	0.3600	1.2200e-003	0.1677	6.6000e-004	0.1683	0.0445	6.1000e-004	0.0451		123.7041	123.7041	2.0000e-003	2.3700e-003	124.4618
Total	**0.0311**	**0.0176**	**0.3600**	**1.2200e-003**	**0.1677**	**6.6000e-004**	**0.1683**	**0.0445**	**6.1000e-004**	**0.0451**		**123.7041**	**123.7041**	**2.0000e-003**	**2.3700e-003**	**124.4618**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2031

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9977	6.4935	9.7572	0.0178		0.2013	0.2013		0.2013	0.2013		1,546.1603	1,546.1603	0.0880		1,548.3595
Total	**4.2192**	**6.4935**	**9.7572**	**0.0178**		**0.2013**	**0.2013**		**0.2013**	**0.2013**		**1,546.1603**	**1,546.1603**	**0.0880**		**1,548.3595**

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	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
Worker	0.0292	0.0164	0.3466	1.2000e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		121.4937	121.4937	1.8600e-003	2.3000e-003	122.2246
Total	**0.0292**	**0.0164**	**0.3466**	**1.2000e-003**	**0.1677**	**6.2000e-004**	**0.1683**	**0.0445**	**5.7000e-004**	**0.0450**		**121.4937**	**121.4937**	**1.8600e-003**	**2.3000e-003**	**122.2246**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2031

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0624	1,243.0624	0.0565		1,244.4749
Total	**3.3404**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0624**	**1,243.0624**	**0.0565**		**1,244.4749**

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	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
Worker	0.0292	0.0164	0.3466	1.2000e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		121.4937	121.4937	1.8600e-003	2.3000e-003	122.2246
Total	**0.0292**	**0.0164**	**0.3466**	**1.2000e-003**	**0.1677**	**6.2000e-004**	**0.1683**	**0.0445**	**5.7000e-004**	**0.0450**		**121.4937**	**121.4937**	**1.8600e-003**	**2.3000e-003**	**122.2246**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.9806	0.8620	9.3626	0.0211	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,152.7222	2,152.7222	0.1468	0.0879	2,182.5793
Unmitigated	0.9806	0.8620	9.3626	0.0211	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,152.7222	2,152.7222	0.1468	0.0879	2,182.5793

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	407.68	407.68	407.68	1,262,846	1,262,846
Total	407.68	407.68	407.68	1,262,846	1,262,846

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
NaturalGas Unmitigated	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584

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	2053.79	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Total		**0.0222**	**0.1893**	**0.0805**	**1.2100e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**241.6226**	**241.6226**	**4.6300e-003**	**4.4300e-003**	**243.0584**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.05379	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Total		**0.0222**	**0.1893**	**0.0805**	**1.2100e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**241.6226**	**241.6226**	**4.6300e-003**	**4.4300e-003**	**243.0584**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174
Unmitigated	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0592					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	0.2560	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476		15.4494	15.4494	0.0147		15.8174
Total	**2.4935**	**0.0987**	**8.5575**	**4.5000e-004**		**0.0476**	**0.0476**		**0.0476**	**0.0476**	**0.0000**	**15.4494**	**15.4494**	**0.0147**	**0.0000**	**15.8174**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0592					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	0.2560	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476		15.4494	15.4494	0.0147		15.8174
Total	**2.4935**	**0.0987**	**8.5575**	**4.5000e-004**		**0.0476**	**0.0476**		**0.0476**	**0.0476**	**0.0000**	**15.4494**	**15.4494**	**0.0147**	**0.0000**	**15.8174**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Partial Preservation - Phase 3 - Rehab

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	104.00	Dwelling Unit	3.60	104,000.00	297

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Based on provide project schedule.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - All equipment is either Tier 4 or electeric per Project design.

Off-road Equipment - See Assumptions - All equipment is either Tier 4 or electric.

Demolition - See Assumptions

Vehicle Trips - See assumptions

Woodstoves - No exiting fireplaces

Energy Use - See Assumptions

Construction Off-road Equipment Mitigation - All equipment is either Tier 4 or Alternative as provided.

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	202.00
tblConstructionPhase	NumDays	230.00	403.00
tblConstructionPhase	NumDays	20.00	35.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	NumberGas	88.40	0.00
tblFireplaces	NumberNoFireplace	10.40	104.00
tblFireplaces	NumberWood	5.20	0.00
tblLandUse	LotAcreage	2.74	3.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	8.51
tblVehicleTrips	HS_TL	5.90	8.51
tblVehicleTrips	HW_TL	14.70	8.51
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	3.92
tblVehicleTrips	SU_TR	4.09	3.92
tblVehicleTrips	WD_TR	5.44	3.92
tblWoodstoves	NumberCatalytic	5.20	0.00
tblWoodstoves	NumberNoncatalytic	5.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2030	6.0941	17.0247	45.8850	0.0920	1.0764	0.4188	1.4952	0.2871	0.4184	0.7054	0.0000	8,748.0731	8,748.0731	0.2986	0.0432	8,762.4295
2031	6.0820	15.7998	29.0529	0.0646	1.0765	0.4185	1.4949	0.2871	0.4181	0.7052	0.0000	6,014.1176	6,014.1176	0.2544	0.0422	6,033.0621
Maximum	**6.0941**	**17.0247**	**45.8850**	**0.0920**	**1.0765**	**0.4188**	**1.4952**	**0.2871**	**0.4184**	**0.7054**	**0.0000**	**8,748.0731**	**8,748.0731**	**0.2986**	**0.0432**	**8,762.4295**

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					
2030	3.9854	6.6750	51.3394	0.0920	1.0764	0.1205	1.1474	0.2871	0.1203	0.3577	0.0000	8,748.0731	8,748.0731	0.2986	0.0432	8,762.4294
2031	3.9733	5.2170	28.5510	0.0589	1.0765	0.0707	1.1472	0.2871	0.0703	0.3574	0.0000	5,609.9871	5,609.9871	0.2124	0.0422	5,627.8826
Maximum	**3.9854**	**6.6750**	**51.3394**	**0.0920**	**1.0765**	**0.1205**	**1.1474**	**0.2871**	**0.1203**	**0.3577**	**0.0000**	**8,748.0731**	**8,748.0731**	**0.2986**	**0.0432**	**8,762.4294**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	34.64	63.77	-6.61	3.63	0.00	77.16	23.26	0.00	77.21	49.31	0.00	2.74	2.74	7.59	0.00	2.74

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174
Energy	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Mobile	0.9610	0.9295	9.2795	0.0202	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,064.9102	2,064.9102	0.1506	0.0915	2,095.9348
Total	**3.4766**	**1.2174**	**17.9175**	**0.0219**	**2.6600**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7834**	**0.0000**	**2,321.9822**	**2,321.9822**	**0.1700**	**0.0959**	**2,354.8106**

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	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174
Energy	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Mobile	0.9610	0.9295	9.2795	0.0202	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,064.9102	2,064.9102	0.1506	0.0915	2,095.9348
Total	**3.4766**	**1.2174**	**17.9175**	**0.0219**	**2.6600**	**0.0755**	**2.7355**	**0.7087**	**0.0746**	**0.7834**	**0.0000**	**2,321.9822**	**2,321.9822**	**0.1700**	**0.0959**	**2,354.8106**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	Demolition	Demolition	1/1/2030	2/18/2030	5	35	
2	Building Construction	Building Construction	2/19/2030	9/4/2031	5	403	
3	Architectural Coating	Architectural Coating	12/1/2030	9/9/2031	5	202	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 210,600; Residential Outdoor: 70,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Sweepers/Scrubbers	2	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	3	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
Architectural Coating	Pressure Washers	3	8.00	13	0.30

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
Demolition	16	40.00	0.00	64.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	75.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	12	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

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					0.3949	0.0000	0.3949	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	3.2545	16.7373	44.9295	0.0880		0.4036	0.4036		0.4036	0.4036		8,332.5862	8,332.5862	0.2862		8,339.7423
Total	**3.2545**	**16.7373**	**44.9295**	**0.0880**	**0.3949**	**0.4036**	**0.7985**	**0.0598**	**0.4036**	**0.4634**		**8,332.5862**	**8,332.5862**	**0.2862**		**8,339.7423**

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	3.4800e-003	0.2357	0.0697	9.3000e-004	0.0320	1.4600e-003	0.0335	8.7800e-003	1.4000e-003	0.0102		102.8588	102.8588	6.8800e-003	0.0164	107.9109
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
Worker	0.0908	0.0517	0.8858	3.0900e-003	0.4471	1.7700e-003	0.4489	0.1186	1.6300e-003	0.1202		312.6281	312.6281	5.4600e-003	6.7500e-003	314.7763
Total	**0.0943**	**0.2874**	**0.9555**	**4.0200e-003**	**0.4791**	**3.2300e-003**	**0.4824**	**0.1274**	**3.0300e-003**	**0.1304**		**415.4869**	**415.4869**	**0.0123**	**0.0231**	**422.6872**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

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					0.3949	0.0000	0.3949	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.9421	6.3876	50.3839	0.0880		0.1173	0.1173		0.1173	0.1173	0.0000	8,332.5862	8,332.5862	0.2862		8,339.7423
Total	**0.9421**	**6.3876**	**50.3839**	**0.0880**	**0.3949**	**0.1173**	**0.5122**	**0.0598**	**0.1173**	**0.1771**	**0.0000**	**8,332.5862**	**8,332.5862**	**0.2862**		**8,339.7423**

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	3.4800e-003	0.2357	0.0697	9.3000e-004	0.0320	1.4600e-003	0.0335	8.7800e-003	1.4000e-003	0.0102		102.8588	102.8588	6.8800e-003	0.0164	107.9109
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
Worker	0.0908	0.0517	0.8858	3.0900e-003	0.4471	1.7700e-003	0.4489	0.1186	1.6300e-003	0.1202		312.6281	312.6281	5.4600e-003	6.7500e-003	314.7763
Total	**0.0943**	**0.2874**	**0.9555**	**4.0200e-003**	**0.4791**	**3.2300e-003**	**0.4824**	**0.1274**	**3.0300e-003**	**0.1304**		**415.4869**	**415.4869**	**0.0123**	**0.0231**	**422.6872**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2030

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	1.6602	8.7744	17.2223	0.0382		0.2113	0.2113		0.2113	0.2113		3,586.4580	3,586.4580	0.1473		3,590.1401
Total	**1.6602**	**8.7744**	**17.2223**	**0.0382**		**0.2113**	**0.2113**		**0.2113**	**0.2113**		**3,586.4580**	**3,586.4580**	**0.1473**		**3,590.1401**

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	0.0000
Vendor	0.0103	0.4260	0.1549	1.7900e-003	0.0705	2.1000e-003	0.0726	0.0203	2.0000e-003	0.0223		194.1065	194.1065	7.6500e-003	0.0280	202.6532
Worker	0.1703	0.0969	1.6609	5.8000e-003	0.8383	3.3200e-003	0.8416	0.2223	3.0500e-003	0.2254		586.1777	586.1777	0.0102	0.0127	590.2056
Total	**0.1806**	**0.5229**	**1.8158**	**7.5900e-003**	**0.9088**	**5.4200e-003**	**0.9142**	**0.2426**	**5.0500e-003**	**0.2477**		**780.2842**	**780.2842**	**0.0179**	**0.0407**	**792.8588**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2030

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	0.4303	4.1700	19.1479	0.0368		0.0491	0.0491		0.0491	0.0491	0.0000	3,485.4254	3,485.4254	0.1368		3,488.8452
Total	**0.4303**	**4.1700**	**19.1479**	**0.0368**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,485.4254**	**3,485.4254**	**0.1368**		**3,488.8452**

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	0.0000
Vendor	0.0103	0.4260	0.1549	1.7900e-003	0.0705	2.1000e-003	0.0726	0.0203	2.0000e-003	0.0223		194.1065	194.1065	7.6500e-003	0.0280	202.6532
Worker	0.1703	0.0969	1.6609	5.8000e-003	0.8383	3.3200e-003	0.8416	0.2223	3.0500e-003	0.2254		586.1777	586.1777	0.0102	0.0127	590.2056
Total	**0.1806**	**0.5229**	**1.8158**	**7.5900e-003**	**0.9088**	**5.4200e-003**	**0.9142**	**0.2426**	**5.0500e-003**	**0.2477**		**780.2842**	**780.2842**	**0.0179**	**0.0407**	**792.8588**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2031

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	1.6602	8.7744	17.2223	0.0382		0.2113	0.2113		0.2113	0.2113		3,586.4580	3,586.4580	0.1473		3,590.1401
Total	**1.6602**	**8.7744**	**17.2223**	**0.0382**		**0.2113**	**0.2113**		**0.2113**	**0.2113**		**3,586.4580**	**3,586.4580**	**0.1473**		**3,590.1401**

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	0.0000
Vendor	0.0102	0.4238	0.1548	1.7600e-003	0.0705	2.0600e-003	0.0725	0.0203	1.9700e-003	0.0223		190.6764	190.6764	7.7000e-003	0.0276	199.0774
Worker	0.1604	0.0901	1.5989	5.7000e-003	0.8383	3.1100e-003	0.8414	0.2223	2.8700e-003	0.2252		575.6858	575.6858	9.5000e-003	0.0122	579.5709
Total	**0.1705**	**0.5139**	**1.7536**	**7.4600e-003**	**0.9088**	**5.1700e-003**	**0.9140**	**0.2426**	**4.8400e-003**	**0.2475**		**766.3622**	**766.3622**	**0.0172**	**0.0398**	**778.6483**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2031

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	0.4303	4.1700	19.1479	0.0368		0.0491	0.0491		0.0491	0.0491	0.0000	3,485.4254	3,485.4254	0.1368		3,488.8452
Total	**0.4303**	**4.1700**	**19.1479**	**0.0368**		**0.0491**	**0.0491**		**0.0491**	**0.0491**	**0.0000**	**3,485.4254**	**3,485.4254**	**0.1368**		**3,488.8452**

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	0.0000
Vendor	0.0102	0.4238	0.1548	1.7600e-003	0.0705	2.0600e-003	0.0725	0.0203	1.9700e-003	0.0223		190.6764	190.6764	7.7000e-003	0.0276	199.0774
Worker	0.1604	0.0901	1.5989	5.7000e-003	0.8383	3.1100e-003	0.8414	0.2223	2.8700e-003	0.2252		575.6858	575.6858	9.5000e-003	0.0122	579.5709
Total	**0.1705**	**0.5139**	**1.7536**	**7.4600e-003**	**0.9088**	**5.1700e-003**	**0.9140**	**0.2426**	**4.8400e-003**	**0.2475**		**766.3622**	**766.3622**	**0.0172**	**0.0398**	**778.6483**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2030

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9977	6.4935	9.7572	0.0178		0.2013	0.2013		0.2013	0.2013		1,546.1603	1,546.1603	0.0880		1,548.3595
Total	**4.2192**	**6.4935**	**9.7572**	**0.0178**		**0.2013**	**0.2013**		**0.2013**	**0.2013**		**1,546.1603**	**1,546.1603**	**0.0880**		**1,548.3595**

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	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
Worker	0.0341	0.0194	0.3322	1.1600e-003	0.1677	6.6000e-004	0.1683	0.0445	6.1000e-004	0.0451		117.2355	117.2355	2.0500e-003	2.5300e-003	118.0411
Total	**0.0341**	**0.0194**	**0.3322**	**1.1600e-003**	**0.1677**	**6.6000e-004**	**0.1683**	**0.0445**	**6.1000e-004**	**0.0451**		**117.2355**	**117.2355**	**2.0500e-003**	**2.5300e-003**	**118.0411**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2030

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0624	1,243.0624	0.0565		1,244.4749
Total	**3.3404**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0624**	**1,243.0624**	**0.0565**		**1,244.4749**

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	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
Worker	0.0341	0.0194	0.3322	1.1600e-003	0.1677	6.6000e-004	0.1683	0.0445	6.1000e-004	0.0451		117.2355	117.2355	2.0500e-003	2.5300e-003	118.0411
Total	**0.0341**	**0.0194**	**0.3322**	**1.1600e-003**	**0.1677**	**6.6000e-004**	**0.1683**	**0.0445**	**6.1000e-004**	**0.0451**		**117.2355**	**117.2355**	**2.0500e-003**	**2.5300e-003**	**118.0411**

OSP - Partial Preservation - Phase 3 - Rehab - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2031

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9977	6.4935	9.7572	0.0178		0.2013	0.2013		0.2013	0.2013		1,546.1603	1,546.1603	0.0880		1,548.3595
Total	**4.2192**	**6.4935**	**9.7572**	**0.0178**		**0.2013**	**0.2013**		**0.2013**	**0.2013**		**1,546.1603**	**1,546.1603**	**0.0880**		**1,548.3595**

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	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
Worker	0.0321	0.0180	0.3198	1.1400e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		115.1372	115.1372	1.9000e-003	2.4500e-003	115.9142
Total	**0.0321**	**0.0180**	**0.3198**	**1.1400e-003**	**0.1677**	**6.2000e-004**	**0.1683**	**0.0445**	**5.7000e-004**	**0.0450**		**115.1372**	**115.1372**	**1.9000e-003**	**2.4500e-003**	**115.9142**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2031

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	3.2216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1189	0.5151	7.3297	0.0135		0.0159	0.0159		0.0159	0.0159	0.0000	1,243.0624	1,243.0624	0.0565		1,244.4749
Total	**3.3404**	**0.5151**	**7.3297**	**0.0135**		**0.0159**	**0.0159**		**0.0159**	**0.0159**	**0.0000**	**1,243.0624**	**1,243.0624**	**0.0565**		**1,244.4749**

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	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
Worker	0.0321	0.0180	0.3198	1.1400e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		115.1372	115.1372	1.9000e-003	2.4500e-003	115.9142
Total	**0.0321**	**0.0180**	**0.3198**	**1.1400e-003**	**0.1677**	**6.2000e-004**	**0.1683**	**0.0445**	**5.7000e-004**	**0.0450**		**115.1372**	**115.1372**	**1.9000e-003**	**2.4500e-003**	**115.9142**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.9610	0.9295	9.2795	0.0202	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,064.9102	2,064.9102	0.1506	0.0915	2,095.9348
Unmitigated	0.9610	0.9295	9.2795	0.0202	2.6600	0.0126	2.6726	0.7087	0.0117	0.7205		2,064.9102	2,064.9102	0.1506	0.0915	2,095.9348

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	407.68	407.68	407.68	1,262,846	1,262,846
Total	407.68	407.68	407.68	1,262,846	1,262,846

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	8.51	8.51	8.51	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
NaturalGas Unmitigated	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584

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	2053.79	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Total		**0.0222**	**0.1893**	**0.0805**	**1.2100e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**241.6226**	**241.6226**	**4.6300e-003**	**4.4300e-003**	**243.0584**

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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	2.05379	0.0222	0.1893	0.0805	1.2100e-003		0.0153	0.0153		0.0153	0.0153		241.6226	241.6226	4.6300e-003	4.4300e-003	243.0584
Total		**0.0222**	**0.1893**	**0.0805**	**1.2100e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**241.6226**	**241.6226**	**4.6300e-003**	**4.4300e-003**	**243.0584**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174
Unmitigated	2.4935	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476	0.0000	15.4494	15.4494	0.0147	0.0000	15.8174

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0592					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	0.2560	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476		15.4494	15.4494	0.0147		15.8174
Total	**2.4935**	**0.0987**	**8.5575**	**4.5000e-004**		**0.0476**	**0.0476**		**0.0476**	**0.0476**	**0.0000**	**15.4494**	**15.4494**	**0.0147**	**0.0000**	**15.8174**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0592					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	0.2560	0.0987	8.5575	4.5000e-004		0.0476	0.0476		0.0476	0.0476		15.4494	15.4494	0.0147		15.8174
Total	**2.4935**	**0.0987**	**8.5575**	**4.5000e-004**		**0.0476**	**0.0476**		**0.0476**	**0.0476**	**0.0000**	**15.4494**	**15.4494**	**0.0147**	**0.0000**	**15.8174**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	156.00	Dwelling Unit	4.11	156,000.00	446

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - See Assumptions

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Off-road Equipment - No equipment phase only to account for haul trucks during demo

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Trips and VMT - See Assumptions.

Demolition - See Assumptions

Architectural Coating - See Assumptions

Vehicle Trips - Operational emissions not modeled assumed consistent with Existing Conditions

Road Dust -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Woodstoves - Operational emissions not modeled assumed consistent with Existing Conditions

Consumer Products - Operational emissions not modeled assumed consistent with Existing Conditions

Area Coating - Operational emissions not modeled assumed consistent with Existing Conditions

Landscape Equipment - Operational emissions not modeled assumed consistent with Existing Conditions

Energy Use - Operational emissions modeled separately

Water And Wastewater - Operational emissions not modeled assumed consistent with Existing Conditions

Solid Waste - Operational emissions not modeled assumed consistent with Existing Conditions

Construction Off-road Equipment Mitigation - Electrical and Tier 4 equipment are part of the Project Description. Therefore CalEEMod's "Mitigated" scenario is actually the Unmitigated Project Scenario.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	279.00
tblConstructionPhase	NumDays	230.00	588.00
tblConstructionPhase	NumDays	20.00	49.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	0.00
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	132.60	0.00
tblFireplaces	NumberNoFireplace	15.60	156.00
tblFireplaces	NumberWood	7.80	0.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblSolidWaste	SolidWasteGenerationRate	71.76	0.00
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	WD_TR	5.44	0.00
tblWater	IndoorWaterUseRate	10,164,028.00	0.00
tblWater	OutdoorWaterUseRate	6,407,756.78	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	0.2677	2.2325	2.8893	5.9100e-003	0.1347	0.0980	0.2327	0.0348	0.0923	0.1271	0.0000	520.0722	520.0722	0.1014	6.3500e-003	524.4993
2025	0.5230	2.5778	3.2893	7.0700e-003	0.1873	0.1072	0.2945	0.0501	0.1018	0.1519	0.0000	615.3868	615.3868	0.1028	8.7400e-003	620.5613
2026	0.5603	1.9594	2.5152	5.2700e-003	0.1259	0.0820	0.2079	0.0336	0.0787	0.1124	0.0000	451.7445	451.7445	0.0672	5.3300e-003	455.0130
Maximum	**0.5603**	**2.5778**	**3.2893**	**7.0700e-003**	**0.1873**	**0.1072**	**0.2945**	**0.0501**	**0.1018**	**0.1519**	**0.0000**	**615.3868**	**615.3868**	**0.1028**	**8.7400e-003**	**620.5613**

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					
2024	0.0920	0.5970	3.2062	5.7900e-003	0.1347	8.0100e-003	0.1427	0.0348	7.9400e-003	0.0428	0.0000	512.3268	512.3268	0.1006	6.3500e-003	516.7339
2025	0.2995	0.6933	3.3967	6.6500e-003	0.1873	8.6700e-003	0.1960	0.0501	8.5700e-003	0.0586	0.0000	588.4397	588.4397	0.1000	8.7400e-003	593.5442
2026	0.3708	0.4464	2.4514	4.8000e-003	0.1259	6.1100e-003	0.1320	0.0336	6.0500e-003	0.0397	0.0000	421.1313	421.1313	0.0640	5.3300e-003	424.3203
Maximum	**0.3708**	**0.6933**	**3.3967**	**6.6500e-003**	**0.1873**	**8.6700e-003**	**0.1960**	**0.0501**	**8.5700e-003**	**0.0586**	**0.0000**	**588.4397**	**588.4397**	**0.1006**	**8.7400e-003**	**593.5442**

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	ROG	NOx	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	**43.57**	**74.35**	**-4.15**	**5.53**	**0.00**	**92.06**	**35.97**	**0.00**	**91.73**	**63.95**	**0.00**	**4.11**	**4.11**	**2.49**	**0.00**	**4.09**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2024**	**5-31-2024**	0.9774	0.2402
2	**6-1-2024**	**8-31-2024**	0.6557	0.1916
3	**9-1-2024**	**11-30-2024**	0.6503	0.1912
4	**12-1-2024**	**2-28-2025**	0.6135	0.1889
5	**3-1-2025**	**5-31-2025**	0.6090	0.1908
6	**6-1-2025**	**8-31-2025**	0.7458	0.2368
7	**9-1-2025**	**11-30-2025**	1.0075	0.3274
8	**12-1-2025**	**2-28-2026**	0.9962	0.3235
9	**3-1-2026**	**5-31-2026**	1.0160	0.3283
10	**6-1-2026**	**8-31-2026**	0.8544	0.2768
		Highest	1.0160	0.3283

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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	0.6163	7.8000e-003	0.4780	1.5600e-003		0.0780	0.0780		0.0780	0.0780	10.4401	0.0000	10.4401	0.0488	0.0000	11.6602
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6163**	**7.8000e-003**	**0.4780**	**1.5600e-003**	**0.0000**	**0.0780**	**0.0780**	**0.0000**	**0.0780**	**0.0780**	**10.4401**	**0.0000**	**10.4401**	**0.0488**	**0.0000**	**11.6602**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.6163	7.8000e-003	0.4780	1.5600e-003		0.0780	0.0780		0.0780	0.0780	10.4401	0.0000	10.4401	0.0488	0.0000	11.6602
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6163**	**7.8000e-003**	**0.4780**	**1.5600e-003**	**0.0000**	**0.0780**	**0.0780**	**0.0000**	**0.0780**	**0.0780**	**10.4401**	**0.0000**	**10.4401**	**0.0488**	**0.0000**	**11.6602**

	ROG	NOx	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	HP - Demolition - Phase 1	Demolition	3/1/2024	5/8/2024	5	49	
2	HP - Building Construction	Building Construction	5/9/2024	8/10/2026	5	588	
3	HP - Phase 1 Architectural Coating	Architectural Coating	8/1/2025	8/26/2026	5	279	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 315,900; Residential Outdoor: 105,300; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
HP - Demolition - Phase 1	Concrete/Industrial Saws	2	8.00	81	0.73
HP - Demolition - Phase 1	Excavators	4	8.00	158	0.38
HP - Demolition - Phase 1	Generator Sets	2	8.00	84	0.74
HP - Demolition - Phase 1	Rubber Tired Dozers	0	8.00	247	0.40
HP - Demolition - Phase 1	Rubber Tired Loaders	2	8.00	203	0.36
HP - Demolition - Phase 1	Sweepers/Scrubbers	2	8.00	64	0.46
HP - Demolition - Phase 1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
HP - Building Construction	Air Compressors	2	8.00	78	0.48
HP - Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
HP - Building Construction	Cranes	2	8.00	231	0.29
HP - Building Construction	Forklifts	0	8.00	89	0.20
HP - Building Construction	Generator Sets	0	8.00	84	0.74
HP - Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
HP - Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
HP - Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
HP - Building Construction	Welders	0	8.00	46	0.45
HP - Phase 1 Architectural Coating	Air Compressors	3	8.00	78	0.48
HP - Phase 1 Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
HP - Phase 1 Architectural Coating	Pressure Washers	3	8.00	13	0.30

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
HP - Demolition - Phase 1	16	40.00	0.00	96.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
HP - Building Construction	10	112.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
HP - Phase 1 Architectural Coating	12	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 HP - Demolition - Phase 1 - 2024

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					0.0104	0.0000	0.0104	1.5700e-003	0.0000	1.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0820	0.7153	1.0647	1.8700e-003		0.0327	0.0327		0.0310	0.0310	0.0000	163.2037	163.2037	0.0377	0.0000	164.1456
Total	**0.0820**	**0.7153**	**1.0647**	**1.8700e-003**	**0.0104**	**0.0327**	**0.0431**	**1.5700e-003**	**0.0310**	**0.0326**	**0.0000**	**163.2037**	**163.2037**	**0.0377**	**0.0000**	**164.1456**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 HP - Demolition - Phase 1 - 2024

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	1.0000e-004	6.6200e-003	1.7100e-003	3.0000e-005	8.3000e-004	4.0000e-005	8.7000e-004	2.3000e-004	4.0000e-005	2.6000e-004	0.0000	2.7601	2.7601	1.6000e-004	4.4000e-004	2.8946
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	2.9000e-003	2.2000e-003	0.0311	9.0000e-005	0.0107	6.0000e-005	0.0108	2.8500e-003	6.0000e-005	2.9100e-003	0.0000	8.3063	8.3063	2.1000e-004	2.1000e-004	8.3731
Total	**3.0000e-003**	**8.8200e-003**	**0.0328**	**1.2000e-004**	**0.0116**	**1.0000e-004**	**0.0117**	**3.0800e-003**	**1.0000e-004**	**3.1700e-003**	**0.0000**	**11.0664**	**11.0664**	**3.7000e-004**	**6.5000e-004**	**11.2677**

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					0.0104	0.0000	0.0104	1.5700e-003	0.0000	1.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0231	0.1565	1.2344	1.8700e-003		2.8700e-003	2.8700e-003		2.8700e-003	2.8700e-003	0.0000	163.2035	163.2035	0.0377	0.0000	164.1454
Total	**0.0231**	**0.1565**	**1.2344**	**1.8700e-003**	**0.0104**	**2.8700e-003**	**0.0132**	**1.5700e-003**	**2.8700e-003**	**4.4400e-003**	**0.0000**	**163.2035**	**163.2035**	**0.0377**	**0.0000**	**164.1454**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 HP - Demolition - Phase 1 - 2024

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	1.0000e-004	6.6200e-003	1.7100e-003	3.0000e-005	8.3000e-004	4.0000e-005	8.7000e-004	2.3000e-004	4.0000e-005	2.6000e-004	0.0000	2.7601	2.7601	1.6000e-004	4.4000e-004	2.8946
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	2.9000e-003	2.2000e-003	0.0311	9.0000e-005	0.0107	6.0000e-005	0.0108	2.8500e-003	6.0000e-005	2.9100e-003	0.0000	8.3063	8.3063	2.1000e-004	2.1000e-004	8.3731
Total	**3.0000e-003**	**8.8200e-003**	**0.0328**	**1.2000e-004**	**0.0116**	**1.0000e-004**	**0.0117**	**3.0800e-003**	**1.0000e-004**	**3.1700e-003**	**0.0000**	**11.0664**	**11.0664**	**3.7000e-004**	**6.5000e-004**	**11.2677**

3.3 HP - Building Construction - 2024

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	0.1532	1.4292	1.4708	2.7800e-003		0.0643	0.0643		0.0604	0.0604	0.0000	239.8602	239.8602	0.0605	0.0000	241.3728
Total	**0.1532**	**1.4292**	**1.4708**	**2.7800e-003**		**0.0643**	**0.0643**		**0.0604**	**0.0604**	**0.0000**	**239.8602**	**239.8602**	**0.0605**	**0.0000**	**241.3728**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2024

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	1.5700e-003	0.0580	0.0212	2.6000e-004	9.0500e-003	2.8000e-004	9.3300e-003	2.6100e-003	2.7000e-004	2.8800e-003	0.0000	25.7269	25.7269	8.8000e-004	3.7100e-003	26.8532
Worker	0.0280	0.0213	0.2998	8.7000e-004	0.1037	6.1000e-004	0.1043	0.0275	5.6000e-004	0.0281	0.0000	80.2151	80.2151	1.9900e-003	2.0000e-003	80.8600
Total	**0.0296**	**0.0793**	**0.3211**	**1.1300e-003**	**0.1128**	**8.9000e-004**	**0.1137**	**0.0302**	**8.3000e-004**	**0.0310**	**0.0000**	**105.9420**	**105.9420**	**2.8700e-003**	**5.7100e-003**	**107.7132**

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	0.0364	0.3524	1.6180	2.6600e-003		4.1500e-003	4.1500e-003		4.1500e-003	4.1500e-003	0.0000	232.1150	232.1150	0.0597	0.0000	233.6076
Total	**0.0364**	**0.3524**	**1.6180**	**2.6600e-003**		**4.1500e-003**	**4.1500e-003**		**4.1500e-003**	**4.1500e-003**	**0.0000**	**232.1150**	**232.1150**	**0.0597**	**0.0000**	**233.6076**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2024

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	1.5700e-003	0.0580	0.0212	2.6000e-004	9.0500e-003	2.8000e-004	9.3300e-003	2.6100e-003	2.7000e-004	2.8800e-003	0.0000	25.7269	25.7269	8.8000e-004	3.7100e-003	26.8532
Worker	0.0280	0.0213	0.2998	8.7000e-004	0.1037	6.1000e-004	0.1043	0.0275	5.6000e-004	0.0281	0.0000	80.2151	80.2151	1.9900e-003	2.0000e-003	80.8600
Total	**0.0296**	**0.0793**	**0.3211**	**1.1300e-003**	**0.1128**	**8.9000e-004**	**0.1137**	**0.0302**	**8.3000e-004**	**0.0310**	**0.0000**	**105.9420**	**105.9420**	**2.8700e-003**	**5.7100e-003**	**107.7132**

3.3 HP - Building Construction - 2025

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	0.2228	2.0386	2.2564	4.2900e-003		0.0879	0.0879		0.0826	0.0826	0.0000	370.4350	370.4350	0.0933	0.0000	372.7672
Total	**0.2228**	**2.0386**	**2.2564**	**4.2900e-003**		**0.0879**	**0.0879**		**0.0826**	**0.0826**	**0.0000**	**370.4350**	**370.4350**	**0.0933**	**0.0000**	**372.7672**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2025

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	2.3600e-003	0.0892	0.0322	4.0000e-004	0.0140	4.3000e-004	0.0144	4.0400e-003	4.1000e-004	4.4500e-003	0.0000	39.0172	39.0172	1.3600e-003	5.6200e-003	40.7273
Worker	0.0405	0.0295	0.4309	1.3100e-003	0.1602	9.0000e-004	0.1611	0.0425	8.2000e-004	0.0434	0.0000	119.6729	119.6729	2.7700e-003	2.8800e-003	120.6004
Total	**0.0429**	**0.1186**	**0.4631**	**1.7100e-003**	**0.1741**	**1.3300e-003**	**0.1755**	**0.0466**	**1.2300e-003**	**0.0478**	**0.0000**	**158.6901**	**158.6901**	**4.1300e-003**	**8.5000e-003**	**161.3277**

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	0.0562	0.5442	2.4988	4.1000e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	358.4735	358.4735	0.0921	0.0000	360.7747
Total	**0.0562**	**0.5442**	**2.4988**	**4.1000e-003**		**6.4000e-003**	**6.4000e-003**		**6.4000e-003**	**6.4000e-003**	**0.0000**	**358.4735**	**358.4735**	**0.0921**	**0.0000**	**360.7747**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2025

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	2.3600e-003	0.0892	0.0322	4.0000e-004	0.0140	4.3000e-004	0.0144	4.0400e-003	4.1000e-004	4.4500e-003	0.0000	39.0172	39.0172	1.3600e-003	5.6200e-003	40.7273
Worker	0.0405	0.0295	0.4309	1.3100e-003	0.1602	9.0000e-004	0.1611	0.0425	8.2000e-004	0.0434	0.0000	119.6729	119.6729	2.7700e-003	2.8800e-003	120.6004
Total	**0.0429**	**0.1186**	**0.4631**	**1.7100e-003**	**0.1741**	**1.3300e-003**	**0.1755**	**0.0466**	**1.2300e-003**	**0.0478**	**0.0000**	**158.6901**	**158.6901**	**4.1300e-003**	**8.5000e-003**	**161.3277**

3.3 HP - Building Construction - 2026

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	0.1349	1.2341	1.3659	2.6000e-003		0.0532	0.0532		0.0500	0.0500	0.0000	224.2480	224.2480	0.0565	0.0000	225.6598
Total	**0.1349**	**1.2341**	**1.3659**	**2.6000e-003**		**0.0532**	**0.0532**		**0.0500**	**0.0500**	**0.0000**	**224.2480**	**224.2480**	**0.0565**	**0.0000**	**225.6598**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2026

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	1.3900e-003	0.0536	0.0192	2.4000e-004	8.4600e-003	2.6000e-004	8.7300e-003	2.4400e-003	2.5000e-004	2.6900e-003	0.0000	23.1815	23.1815	8.3000e-004	3.3400e-003	24.1986
Worker	0.0231	0.0162	0.2447	7.7000e-004	0.0970	5.1000e-004	0.0975	0.0258	4.7000e-004	0.0262	0.0000	70.2437	70.2437	1.5200e-003	1.6400e-003	70.7713
Total	**0.0245**	**0.0698**	**0.2639**	**1.0100e-003**	**0.1054**	**7.7000e-004**	**0.1062**	**0.0282**	**7.2000e-004**	**0.0289**	**0.0000**	**93.4253**	**93.4253**	**2.3500e-003**	**4.9800e-003**	**94.9698**

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	0.0340	0.3294	1.5127	2.4800e-003		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	217.0070	217.0070	0.0557	0.0000	218.4000
Total	**0.0340**	**0.3294**	**1.5127**	**2.4800e-003**		**3.8800e-003**	**3.8800e-003**		**3.8800e-003**	**3.8800e-003**	**0.0000**	**217.0070**	**217.0070**	**0.0557**	**0.0000**	**218.4000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2026

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	1.3900e-003	0.0536	0.0192	2.4000e-004	8.4600e-003	2.6000e-004	8.7300e-003	2.4400e-003	2.5000e-004	2.6900e-003	0.0000	23.1815	23.1815	8.3000e-004	3.3400e-003	24.1986
Worker	0.0231	0.0162	0.2447	7.7000e-004	0.0970	5.1000e-004	0.0975	0.0258	4.7000e-004	0.0262	0.0000	70.2437	70.2437	1.5200e-003	1.6400e-003	70.7713
Total	**0.0245**	**0.0698**	**0.2639**	**1.0100e-003**	**0.1054**	**7.7000e-004**	**0.1062**	**0.0282**	**7.2000e-004**	**0.0289**	**0.0000**	**93.4253**	**93.4253**	**2.3500e-003**	**4.9800e-003**	**94.9698**

3.4 HP - Phase 1 Architectural Coating - 2025

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	0.1907					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0633	0.4181	0.5345	9.7000e-004		0.0179	0.0179		0.0179	0.0179	0.0000	76.4446	76.4446	5.1400e-003	0.0000	76.5732
Total	**0.2540**	**0.4181**	**0.5345**	**9.7000e-004**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**76.4446**	**76.4446**	**5.1400e-003**	**0.0000**	**76.5732**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2025

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	3.3200e-003	2.4200e-003	0.0354	1.1000e-004	0.0131	7.0000e-005	0.0132	3.4900e-003	7.0000e-005	3.5600e-003	0.0000	9.8172	9.8172	2.3000e-004	2.4000e-004	9.8933
Total	**3.3200e-003**	**2.4200e-003**	**0.0354**	**1.1000e-004**	**0.0131**	**7.0000e-005**	**0.0132**	**3.4900e-003**	**7.0000e-005**	**3.5600e-003**	**0.0000**	**9.8172**	**9.8172**	**2.3000e-004**	**2.4000e-004**	**9.8933**

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	0.1907					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4800e-003	0.0281	0.3995	7.4000e-004		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	61.4589	61.4589	3.5900e-003	0.0000	61.5486
Total	**0.1972**	**0.0281**	**0.3995**	**7.4000e-004**		**8.6000e-004**	**8.6000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**61.4589**	**61.4589**	**3.5900e-003**	**0.0000**	**61.5486**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2025

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	3.3200e-003	2.4200e-003	0.0354	1.1000e-004	0.0131	7.0000e-005	0.0132	3.4900e-003	7.0000e-005	3.5600e-003	0.0000	9.8172	9.8172	2.3000e-004	2.4000e-004	9.8933
Total	**3.3200e-003**	**2.4200e-003**	**0.0354**	**1.1000e-004**	**0.0131**	**7.0000e-005**	**0.0132**	**3.4900e-003**	**7.0000e-005**	**3.5600e-003**	**0.0000**	**9.8172**	**9.8172**	**2.3000e-004**	**2.4000e-004**	**9.8933**

3.4 HP - Phase 1 Architectural Coating - 2026

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	0.2974					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0987	0.6521	0.8336	1.5100e-003		0.0279	0.0279		0.0279	0.0279	0.0000	119.2255	119.2255	8.0200e-003	0.0000	119.4260
Total	**0.3961**	**0.6521**	**0.8336**	**1.5100e-003**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**119.2255**	**119.2255**	**8.0200e-003**	**0.0000**	**119.4260**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2026

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	4.8800e-003	3.4200e-003	0.0517	1.6000e-004	0.0205	1.1000e-004	0.0206	5.4400e-003	1.0000e-004	5.5400e-003	0.0000	14.8458	14.8458	3.2000e-004	3.5000e-004	14.9573
Total	**4.8800e-003**	**3.4200e-003**	**0.0517**	**1.6000e-004**	**0.0205**	**1.1000e-004**	**0.0206**	**5.4400e-003**	**1.0000e-004**	**5.5400e-003**	**0.0000**	**14.8458**	**14.8458**	**3.2000e-004**	**3.5000e-004**	**14.9573**

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	0.2974					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.0438	0.6230	1.1500e-003		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	95.8533	95.8533	5.5900e-003	0.0000	95.9932
Total	**0.3075**	**0.0438**	**0.6230**	**1.1500e-003**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**	**0.0000**	**95.8533**	**95.8533**	**5.5900e-003**	**0.0000**	**95.9932**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2026

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	4.8800e-003	3.4200e-003	0.0517	1.6000e-004	0.0205	1.1000e-004	0.0206	5.4400e-003	1.0000e-004	5.5400e-003	0.0000	14.8458	14.8458	3.2000e-004	3.5000e-004	14.9573
Total	**4.8800e-003**	**3.4200e-003**	**0.0517**	**1.6000e-004**	**0.0205**	**1.1000e-004**	**0.0206**	**5.4400e-003**	**1.0000e-004**	**5.5400e-003**	**0.0000**	**14.8458**	**14.8458**	**3.2000e-004**	**3.5000e-004**	**14.9573**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Total	0.00	0.00	0.00		

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.535658	0.065965	0.190922	0.126434	0.023737	0.006642	0.011305	0.008056	0.000938	0.000585	0.025742	0.000711	0.003305

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.6163	7.8000e-003	0.4780	1.5600e-003		0.0780	0.0780		0.0780	0.0780	10.4401	0.0000	10.4401	0.0488	0.0000	11.6602
Unmitigated	0.6163	7.8000e-003	0.4780	1.5600e-003		0.0780	0.0780		0.0780	0.0780	10.4401	0.0000	10.4401	0.0488	0.0000	11.6602

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5637					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0526	7.8000e-003	0.4780	1.5600e-003		0.0780	0.0780		0.0780	0.0780	10.4401	0.0000	10.4401	0.0488	0.0000	11.6602
Landscaping	0.0000	0.0000	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	**0.6163**	**7.8000e-003**	**0.4780**	**1.5600e-003**		**0.0780**	**0.0780**		**0.0780**	**0.0780**	**10.4401**	**0.0000**	**10.4401**	**0.0488**	**0.0000**	**11.6602**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5637					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0526	7.8000e-003	0.4780	1.5600e-003		0.0780	0.0780		0.0780	0.0780	10.4401	0.0000	10.4401	0.0488	0.0000	11.6602
Landscaping	0.0000	0.0000	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	**0.6163**	**7.8000e-003**	**0.4780**	**1.5600e-003**		**0.0780**	**0.0780**		**0.0780**	**0.0780**	**10.4401**	**0.0000**	**10.4401**	**0.0488**	**0.0000**	**11.6602**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - See Assumptions

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Off-road Equipment - No equipment phase only to account for haul trucks during demo

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Trips and VMT - See Assumptions.

Demolition - See Assumptions

Architectural Coating - See Assumptions

Vehicle Trips - Operational emissions not modeled assumed consistent with Existing Conditions

Road Dust -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Woodstoves - Operational emissions not modeled assumed consistent with Existing Conditions

Consumer Products - Operational emissions not modeled assumed consistent with Existing Conditions

Area Coating - Operational emissions not modeled assumed consistent with Existing Conditions

Landscape Equipment - Operational emissions not modeled assumed consistent with Existing Conditions

Energy Use - Operational emissions modeled separately

Water And Wastewater - Operational emissions not modeled assumed consistent with Existing Conditions

Solid Waste - Operational emissions not modeled assumed consistent with Existing Conditions

Construction Off-road Equipment Mitigation - Electrical and Tier 4 equipment are part of the Project Description. Therefore CalEEMod's "Mitigated" scenario is actually the Unmitigated Project Scenario.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	176.00
tblConstructionPhase	NumDays	230.00	351.00
tblConstructionPhase	NumDays	20.00	31.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	0.00
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	66.24	0.00
tblVehicleTrips	ST_TR	4.91	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	WD_TR	5.44	0.00
tblWater	IndoorWaterUseRate	9,382,179.69	0.00
tblWater	OutdoorWaterUseRate	5,914,852.41	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2026	0.1065	0.8809	1.2710	2.5300e-003	0.0523	0.0369	0.0892	0.0129	0.0348	0.0477	0.0000	222.4438	222.4438	0.0451	2.1200e-003	224.2028
2027	0.6856	2.6590	3.3374	7.0900e-003	0.1766	0.1112	0.2878	0.0472	0.1059	0.1531	0.0000	613.9354	613.9354	0.1032	7.4200e-003	618.7274
2028	0.1622	0.4281	0.5431	1.1300e-003	0.0251	0.0180	0.0431	6.7000e-003	0.0173	0.0240	0.0000	95.8486	95.8486	0.0142	9.5000e-004	96.4877
Maximum	**0.6856**	**2.6590**	**3.3374**	**7.0900e-003**	**0.1766**	**0.1112**	**0.2878**	**0.0472**	**0.1059**	**0.1531**	**0.0000**	**613.9354**	**613.9354**	**0.1032**	**7.4200e-003**	**618.7274**

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					
2026	0.0367	0.2474	1.4335	2.4900e-003	0.0523	3.5400e-003	0.0558	0.0129	3.5200e-003	0.0164	0.0000	219.8314	219.8314	0.0449	2.1200e-003	221.5837
2027	0.4486	0.6815	3.4126	6.6200e-003	0.1766	8.6700e-003	0.1853	0.0472	8.5900e-003	0.0558	0.0000	583.4137	583.4137	0.1001	7.4200e-003	588.1264
2028	0.1197	0.0924	0.5230	1.0100e-003	0.0251	1.2900e-003	0.0264	6.7000e-003	1.2800e-003	7.9800e-003	0.0000	88.6994	88.6994	0.0135	9.5000e-004	89.3200
Maximum	**0.4486**	**0.6815**	**3.4126**	**6.6200e-003**	**0.1766**	**8.6700e-003**	**0.1853**	**0.0472**	**8.5900e-003**	**0.0558**	**0.0000**	**583.4137**	**583.4137**	**0.1001**	**7.4200e-003**	**588.1264**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**36.59**	**74.26**	**-4.22**	**5.86**	**0.00**	**91.88**	**36.34**	**0.00**	**91.53**	**64.34**	**0.00**	**4.32**	**4.32**	**2.58**	**0.00**	**4.30**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-1-2026**	**11-30-2026**	0.7741	0.2186
2	**12-1-2026**	**2-28-2027**	0.5914	0.1823
3	**3-1-2027**	**5-31-2027**	0.6027	0.1845
4	**6-1-2027**	**8-31-2027**	0.9278	0.3192
5	**9-1-2027**	**11-30-2027**	1.0532	0.3730
6	**12-1-2027**	**2-29-2028**	0.9629	0.3448
		Highest	1.0532	0.3730

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.5203	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5203**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.5203	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5203**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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	HP - Demolition - Phase 1	Demolition	9/1/2026	10/13/2026	5	31	
2	HP - Building Construction	Building Construction	10/14/2026	2/16/2028	5	351	
3	HP - Phase 1 Architectural Coating	Architectural Coating	6/28/2027	2/28/2028	5	176	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
HP - Demolition - Phase 1	Concrete/Industrial Saws	2	8.00	81	0.73
HP - Demolition - Phase 1	Excavators	4	8.00	158	0.38
HP - Demolition - Phase 1	Generator Sets	2	8.00	84	0.74
HP - Demolition - Phase 1	Rubber Tired Dozers	0	8.00	247	0.40
HP - Demolition - Phase 1	Rubber Tired Loaders	2	8.00	203	0.36
HP - Demolition - Phase 1	Sweepers/Scrubbers	2	8.00	64	0.46
HP - Demolition - Phase 1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
HP - Building Construction	Air Compressors	2	8.00	78	0.48
HP - Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
HP - Building Construction	Cranes	2	8.00	231	0.29
HP - Building Construction	Forklifts	0	8.00	89	0.20
HP - Building Construction	Generator Sets	0	8.00	84	0.74
HP - Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
HP - Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
HP - Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
HP - Building Construction	Welders	0	8.00	46	0.45
HP - Phase 1 Architectural Coating	Air Compressors	3	8.00	78	0.48
HP - Phase 1 Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
HP - Phase 1 Architectural Coating	Pressure Washers	3	8.00	13	0.30

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
HP - Demolition - Phase 1	16	40.00	0.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
HP - Building Construction	10	104.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
HP - Phase 1 Architectural Coating	12	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 HP - Demolition - Phase 1 - 2026

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					9.5700e-003	0.0000	9.5700e-003	1.4500e-003	0.0000	1.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0479	0.4061	0.6714	1.1800e-003		0.0174	0.0174		0.0165	0.0165	0.0000	103.2747	103.2747	0.0237	0.0000	103.8678
Total	**0.0479**	**0.4061**	**0.6714**	**1.1800e-003**	**9.5700e-003**	**0.0174**	**0.0270**	**1.4500e-003**	**0.0165**	**0.0179**	**0.0000**	**103.2747**	**103.2747**	**0.0237**	**0.0000**	**103.8678**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 HP - Demolition - Phase 1 - 2026

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	9.0000e-005	5.9700e-003	1.6100e-003	2.0000e-005	7.6000e-004	4.0000e-005	7.9000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.4373	2.4373	1.5000e-004	3.9000e-004	2.5564
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	1.6200e-003	1.1300e-003	0.0172	5.0000e-005	6.7900e-003	4.0000e-005	6.8300e-003	1.8000e-003	3.0000e-005	1.8400e-003	0.0000	4.9221	4.9221	1.1000e-004	1.2000e-004	4.9591
Total	**1.7100e-003**	**7.1000e-003**	**0.0188**	**7.0000e-005**	**7.5500e-003**	**8.0000e-005**	**7.6200e-003**	**2.0100e-003**	**6.0000e-005**	**2.0800e-003**	**0.0000**	**7.3595**	**7.3595**	**2.6000e-004**	**5.1000e-004**	**7.5156**

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					9.5700e-003	0.0000	9.5700e-003	1.4500e-003	0.0000	1.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.0990	0.7810	1.1800e-003		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	103.2746	103.2746	0.0237	0.0000	103.8677
Total	**0.0146**	**0.0990**	**0.7810**	**1.1800e-003**	**9.5700e-003**	**1.8200e-003**	**0.0114**	**1.4500e-003**	**1.8200e-003**	**3.2700e-003**	**0.0000**	**103.2746**	**103.2746**	**0.0237**	**0.0000**	**103.8677**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 HP - Demolition - Phase 1 - 2026

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	9.0000e-005	5.9700e-003	1.6100e-003	2.0000e-005	7.6000e-004	4.0000e-005	7.9000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.4373	2.4373	1.5000e-004	3.9000e-004	2.5564
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	1.6200e-003	1.1300e-003	0.0172	5.0000e-005	6.7900e-003	4.0000e-005	6.8300e-003	1.8000e-003	3.0000e-005	1.8400e-003	0.0000	4.9221	4.9221	1.1000e-004	1.2000e-004	4.9591
Total	**1.7100e-003**	**7.1000e-003**	**0.0188**	**7.0000e-005**	**7.5500e-003**	**8.0000e-005**	**7.6200e-003**	**2.0100e-003**	**6.0000e-005**	**2.0800e-003**	**0.0000**	**7.3595**	**7.3595**	**2.6000e-004**	**5.1000e-004**	**7.5156**

3.3 HP - Building Construction - 2026

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	0.0487	0.4452	0.4928	9.4000e-004		0.0192	0.0192		0.0180	0.0180	0.0000	80.8996	80.8996	0.0204	0.0000	81.4089
Total	**0.0487**	**0.4452**	**0.4928**	**9.4000e-004**		**0.0192**	**0.0192**		**0.0180**	**0.0180**	**0.0000**	**80.8996**	**80.8996**	**0.0204**	**0.0000**	**81.4089**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2026

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	4.4000e-004	0.0171	6.1100e-003	8.0000e-005	2.6900e-003	8.0000e-005	2.7800e-003	7.8000e-004	8.0000e-005	8.6000e-004	0.0000	7.3791	7.3791	2.6000e-004	1.0600e-003	7.7028
Worker	7.7300e-003	5.4200e-003	0.0820	2.6000e-004	0.0325	1.7000e-004	0.0327	8.6300e-003	1.6000e-004	8.7900e-003	0.0000	23.5310	23.5310	5.1000e-004	5.5000e-004	23.7077
Total	**8.1700e-003**	**0.0225**	**0.0881**	**3.4000e-004**	**0.0352**	**2.5000e-004**	**0.0354**	**9.4100e-003**	**2.4000e-004**	**9.6500e-003**	**0.0000**	**30.9101**	**30.9101**	**7.7000e-004**	**1.6100e-003**	**31.4106**

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	0.0123	0.1188	0.5457	9.0000e-004		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003	0.0000	78.2873	78.2873	0.0201	0.0000	78.7899
Total	**0.0123**	**0.1188**	**0.5457**	**9.0000e-004**		**1.4000e-003**	**1.4000e-003**		**1.4000e-003**	**1.4000e-003**	**0.0000**	**78.2873**	**78.2873**	**0.0201**	**0.0000**	**78.7899**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2026

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	4.4000e-004	0.0171	6.1100e-003	8.0000e-005	2.6900e-003	8.0000e-005	2.7800e-003	7.8000e-004	8.0000e-005	8.6000e-004	0.0000	7.3791	7.3791	2.6000e-004	1.0600e-003	7.7028
Worker	7.7300e-003	5.4200e-003	0.0820	2.6000e-004	0.0325	1.7000e-004	0.0327	8.6300e-003	1.6000e-004	8.7900e-003	0.0000	23.5310	23.5310	5.1000e-004	5.5000e-004	23.7077
Total	**8.1700e-003**	**0.0225**	**0.0881**	**3.4000e-004**	**0.0352**	**2.5000e-004**	**0.0354**	**9.4100e-003**	**2.4000e-004**	**9.6500e-003**	**0.0000**	**30.9101**	**30.9101**	**7.7000e-004**	**1.6100e-003**	**31.4106**

3.3 HP - Building Construction - 2027

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	0.2228	2.0386	2.2564	4.2900e-003		0.0879	0.0879		0.0826	0.0826	0.0000	370.4350	370.4350	0.0933	0.0000	372.7672
Total	**0.2228**	**2.0386**	**2.2564**	**4.2900e-003**		**0.0879**	**0.0879**		**0.0826**	**0.0826**	**0.0000**	**370.4350**	**370.4350**	**0.0933**	**0.0000**	**372.7672**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2027

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	1.9800e-003	0.0775	0.0277	3.4000e-004	0.0123	3.8000e-004	0.0127	3.5600e-003	3.6000e-004	3.9200e-003	0.0000	33.1238	33.1238	1.2100e-003	4.7800e-003	34.5788
Worker	0.0334	0.0227	0.3544	1.1400e-003	0.1487	7.4000e-004	0.1495	0.0395	6.8000e-004	0.0402	0.0000	104.7564	104.7564	2.1400e-003	2.3900e-003	105.5221
Total	**0.0354**	**0.1002**	**0.3820**	**1.4800e-003**	**0.1611**	**1.1200e-003**	**0.1622**	**0.0431**	**1.0400e-003**	**0.0441**	**0.0000**	**137.8803**	**137.8803**	**3.3500e-003**	**7.1700e-003**	**140.1008**

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	0.0562	0.5442	2.4988	4.1000e-003		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	358.4735	358.4735	0.0921	0.0000	360.7747
Total	**0.0562**	**0.5442**	**2.4988**	**4.1000e-003**		**6.4000e-003**	**6.4000e-003**		**6.4000e-003**	**6.4000e-003**	**0.0000**	**358.4735**	**358.4735**	**0.0921**	**0.0000**	**360.7747**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2027

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	1.9800e-003	0.0775	0.0277	3.4000e-004	0.0123	3.8000e-004	0.0127	3.5600e-003	3.6000e-004	3.9200e-003	0.0000	33.1238	33.1238	1.2100e-003	4.7800e-003	34.5788
Worker	0.0334	0.0227	0.3544	1.1400e-003	0.1487	7.4000e-004	0.1495	0.0395	6.8000e-004	0.0402	0.0000	104.7564	104.7564	2.1400e-003	2.3900e-003	105.5221
Total	**0.0354**	**0.1002**	**0.3820**	**1.4800e-003**	**0.1611**	**1.1200e-003**	**0.1622**	**0.0431**	**1.0400e-003**	**0.0441**	**0.0000**	**137.8803**	**137.8803**	**3.3500e-003**	**7.1700e-003**	**140.1008**

3.3 HP - Building Construction - 2028

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	0.0282	0.2578	0.2853	5.4000e-004		0.0111	0.0111		0.0104	0.0104	0.0000	46.8366	46.8366	0.0118	0.0000	47.1315
Total	**0.0282**	**0.2578**	**0.2853**	**5.4000e-004**		**0.0111**	**0.0111**		**0.0104**	**0.0104**	**0.0000**	**46.8366**	**46.8366**	**0.0118**	**0.0000**	**47.1315**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2028

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	2.5000e-004	9.7300e-003	3.4700e-003	4.0000e-005	1.5600e-003	5.0000e-005	1.6100e-003	4.5000e-004	5.0000e-005	5.0000e-004	0.0000	4.1080	4.1080	1.5000e-004	5.9000e-004	4.2886
Worker	3.9900e-003	2.6400e-003	0.0426	1.4000e-004	0.0188	9.0000e-005	0.0189	4.9900e-003	8.0000e-005	5.0700e-003	0.0000	12.9106	12.9106	2.5000e-004	2.9000e-004	13.0028
Total	**4.2400e-003**	**0.0124**	**0.0461**	**1.8000e-004**	**0.0204**	**1.4000e-004**	**0.0205**	**5.4400e-003**	**1.3000e-004**	**5.5700e-003**	**0.0000**	**17.0187**	**17.0187**	**4.0000e-004**	**8.8000e-004**	**17.2914**

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	7.1000e-003	0.0688	0.3159	5.2000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	45.3242	45.3242	0.0116	0.0000	45.6152
Total	**7.1000e-003**	**0.0688**	**0.3159**	**5.2000e-004**		**8.1000e-004**	**8.1000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**45.3242**	**45.3242**	**0.0116**	**0.0000**	**45.6152**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2028

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	2.5000e-004	9.7300e-003	3.4700e-003	4.0000e-005	1.5600e-003	5.0000e-005	1.6100e-003	4.5000e-004	5.0000e-005	5.0000e-004	0.0000	4.1080	4.1080	1.5000e-004	5.9000e-004	4.2886
Worker	3.9900e-003	2.6400e-003	0.0426	1.4000e-004	0.0188	9.0000e-005	0.0189	4.9900e-003	8.0000e-005	5.0700e-003	0.0000	12.9106	12.9106	2.5000e-004	2.9000e-004	13.0028
Total	**4.2400e-003**	**0.0124**	**0.0461**	**1.8000e-004**	**0.0204**	**1.4000e-004**	**0.0205**	**5.4400e-003**	**1.3000e-004**	**5.5700e-003**	**0.0000**	**17.0187**	**17.0187**	**4.0000e-004**	**8.8000e-004**	**17.2914**

3.4 HP - Phase 1 Architectural Coating - 2027

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	0.3456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0784	0.5179	0.6620	1.2000e-003		0.0222	0.0222		0.0222	0.0222	0.0000	94.6791	94.6791	6.3700e-003	0.0000	94.8383
Total	**0.4240**	**0.5179**	**0.6620**	**1.2000e-003**		**0.0222**	**0.0222**		**0.0222**	**0.0222**	**0.0000**	**94.6791**	**94.6791**	**6.3700e-003**	**0.0000**	**94.8383**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2027

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	3.4900e-003	2.3700e-003	0.0370	1.2000e-004	0.0155	8.0000e-005	0.0156	4.1300e-003	7.0000e-005	4.2000e-003	0.0000	10.9411	10.9411	2.2000e-004	2.5000e-004	11.0210
Total	**3.4900e-003**	**2.3700e-003**	**0.0370**	**1.2000e-004**	**0.0155**	**8.0000e-005**	**0.0156**	**4.1300e-003**	**7.0000e-005**	**4.2000e-003**	**0.0000**	**10.9411**	**10.9411**	**2.2000e-004**	**2.5000e-004**	**11.0210**

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	0.3456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0200e-003	0.0348	0.4948	9.1000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	76.1188	76.1188	4.4400e-003	0.0000	76.2299
Total	**0.3536**	**0.0348**	**0.4948**	**9.1000e-004**		**1.0700e-003**	**1.0700e-003**		**1.0700e-003**	**1.0700e-003**	**0.0000**	**76.1188**	**76.1188**	**4.4400e-003**	**0.0000**	**76.2299**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2027

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	3.4900e-003	2.3700e-003	0.0370	1.2000e-004	0.0155	8.0000e-005	0.0156	4.1300e-003	7.0000e-005	4.2000e-003	0.0000	10.9411	10.9411	2.2000e-004	2.5000e-004	11.0210
Total	**3.4900e-003**	**2.3700e-003**	**0.0370**	**1.2000e-004**	**0.0155**	**8.0000e-005**	**0.0156**	**4.1300e-003**	**7.0000e-005**	**4.2000e-003**	**0.0000**	**10.9411**	**10.9411**	**2.2000e-004**	**2.5000e-004**	**11.0210**

3.4 HP - Phase 1 Architectural Coating - 2028

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	0.1050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.1573	0.2011	3.6000e-004		6.7400e-003	6.7400e-003		6.7400e-003	6.7400e-003	0.0000	28.7544	28.7544	1.9300e-003	0.0000	28.8028
Total	**0.1288**	**0.1573**	**0.2011**	**3.6000e-004**		**6.7400e-003**	**6.7400e-003**		**6.7400e-003**	**6.7400e-003**	**0.0000**	**28.7544**	**28.7544**	**1.9300e-003**	**0.0000**	**28.8028**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2028

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	1.0000e-003	6.6000e-004	0.0107	4.0000e-005	4.7200e-003	2.0000e-005	4.7400e-003	1.2500e-003	2.0000e-005	1.2700e-003	0.0000	3.2389	3.2389	6.0000e-005	7.0000e-005	3.2621
Total	**1.0000e-003**	**6.6000e-004**	**0.0107**	**4.0000e-005**	**4.7200e-003**	**2.0000e-005**	**4.7400e-003**	**1.2500e-003**	**2.0000e-005**	**1.2700e-003**	**0.0000**	**3.2389**	**3.2389**	**6.0000e-005**	**7.0000e-005**	**3.2621**

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	0.1050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4400e-003	0.0106	0.1503	2.8000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	23.1176	23.1176	1.3500e-003	0.0000	23.1513
Total	**0.1074**	**0.0106**	**0.1503**	**2.8000e-004**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**23.1176**	**23.1176**	**1.3500e-003**	**0.0000**	**23.1513**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2028

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	1.0000e-003	6.6000e-004	0.0107	4.0000e-005	4.7200e-003	2.0000e-005	4.7400e-003	1.2500e-003	2.0000e-005	1.2700e-003	0.0000	3.2389	3.2389	6.0000e-005	7.0000e-005	3.2621
Total	**1.0000e-003**	**6.6000e-004**	**0.0107**	**4.0000e-005**	**4.7200e-003**	**2.0000e-005**	**4.7400e-003**	**1.2500e-003**	**2.0000e-005**	**1.2700e-003**	**0.0000**	**3.2389**	**3.2389**	**6.0000e-005**	**7.0000e-005**	**3.2621**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Total	0.00	0.00	0.00		

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.533522	0.066597	0.191847	0.126396	0.023913	0.006761	0.011443	0.007995	0.000939	0.000579	0.025999	0.000713	0.003295

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.5203	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.5203	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5203					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	0.0000	0.0000	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	**0.5203**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5203					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	0.0000	0.0000	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	**0.5203**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	178.00	Dwelling Unit	4.68	178,000.00	509

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - See Assumptions

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Off-road Equipment - See Assumptions - All Equipment is Tier 4 or Electric based on Project Description

Off-road Equipment - No equipment phase only to account for fugitive emissions from architectural coating

Demolition - See Assumptions

Trips and VMT - See Assumptions.

Architectural Coating - See Assumptions

Vehicle Trips - Operational emissions not modeled assumed consistent with Existing Conditions

Road Dust -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Woodstoves - Operational emissions not modeled assumed consistent with Existing Conditions

Consumer Products - Operational emissions not modeled assumed consistent with Existing Conditions

Area Coating - Operational emissions not modeled assumed consistent with Existing Conditions

Landscape Equipment - Operational emissions not modeled assumed consistent with Existing Conditions

Energy Use - Operational emissions modeled separately

Water And Wastewater - Operational emissions not modeled assumed consistent with Existing Conditions

Solid Waste - Operational emissions not modeled assumed consistent with Existing Conditions

Construction Off-road Equipment Mitigation - Electrical and Tier 4 equipment are part of the Project Description. Therefore CalEEMod's "Mitigated" scenario is actually the Unmitigated Project Scenario.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	134.00
tblConstructionPhase	NumDays	230.00	269.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	PhaseEndDate	3/9/2029	5/7/2029
tblConstructionPhase	PhaseEndDate	2/13/2029	4/12/2029
tblConstructionPhase	PhaseEndDate	3/28/2028	3/31/2028
tblConstructionPhase	PhaseStartDate	2/14/2029	11/1/2028
tblConstructionPhase	PhaseStartDate	3/29/2028	4/1/2028
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	0.00
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	81.88	0.00
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	WD_TR	5.44	0.00
tblWater	IndoorWaterUseRate	11,597,416.56	0.00
tblWater	OutdoorWaterUseRate	7,311,414.79	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2028	0.4351	2.0637	2.7169	5.8500e-003	0.1724	0.0855	0.2578	0.0447	0.0808	0.1255	0.0000	513.1013	513.1013	0.0923	7.1700e-003	517.5447
2029	0.5000	0.9103	1.1531	2.4800e-003	0.0693	0.0379	0.1072	0.0185	0.0364	0.0549	0.0000	212.1388	212.1388	0.0313	2.6100e-003	213.6992
Maximum	**0.5000**	**2.0637**	**2.7169**	**5.8500e-003**	**0.1724**	**0.0855**	**0.2578**	**0.0447**	**0.0808**	**0.1255**	**0.0000**	**513.1013**	**513.1013**	**0.0923**	**7.1700e-003**	**517.5447**

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					
2028	0.2667	0.5864	2.9261	5.6200e-003	0.1724	7.4700e-003	0.1798	0.0447	7.4000e-003	0.0521	0.0000	498.2528	498.2528	0.0907	7.1700e-003	502.6576
2029	0.4118	0.2068	1.1082	2.2300e-003	0.0693	2.7700e-003	0.0721	0.0185	2.7400e-003	0.0213	0.0000	196.2365	196.2365	0.0297	2.6100e-003	197.7555
Maximum	**0.4118**	**0.5864**	**2.9261**	**5.6200e-003**	**0.1724**	**7.4700e-003**	**0.1798**	**0.0447**	**7.4000e-003**	**0.0521**	**0.0000**	**498.2528**	**498.2528**	**0.0907**	**7.1700e-003**	**502.6576**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**27.45**	**73.33**	**-4.24**	**5.76**	**0.00**	**91.70**	**30.99**	**0.00**	**91.34**	**59.32**	**0.00**	**4.24**	**4.24**	**2.58**	**0.00**	**4.22**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2028**	**5-31-2028**	0.7361	0.2155
2	**6-1-2028**	**8-31-2028**	0.6084	0.1899
3	**9-1-2028**	**11-30-2028**	0.7742	0.2848
4	**12-1-2028**	**2-28-2029**	1.1089	0.4731
5	**3-1-2029**	**5-31-2029**	0.6713	0.3047
		Highest	1.1089	0.4731

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	0.6432	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6432**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.6432	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6432**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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	HP - Demolition - Phase 1	Demolition	3/1/2028	3/31/2028	5	23	
2	HP - Building Construction	Building Construction	4/1/2028	4/12/2029	5	269	
3	HP - Phase 1 Architectural Coating	Architectural Coating	11/1/2028	5/7/2029	5	134	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 360,450; Residential Outdoor: 120,150; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
HP - Phase 1 Architectural Coating	Air Compressors	3	6.00	78	0.48
HP - Demolition - Phase 1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
HP - Demolition - Phase 1	Concrete/Industrial Saws	2	8.00	81	0.73
HP - Building Construction	Cranes	2	8.00	231	0.29
HP - Demolition - Phase 1	Excavators	4	8.00	158	0.38
HP - Demolition - Phase 1	Generator Sets	2	8.00	84	0.74
HP - Building Construction	Forklifts	0	8.00	89	0.20
HP - Building Construction	Generator Sets	0	8.00	84	0.74
HP - Demolition - Phase 1	Rubber Tired Loaders	2	8.00	203	0.36
HP - Demolition - Phase 1	Sweepers/Scrubbers	2	8.00	64	0.46
HP - Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
HP - Building Construction	Air Compressors	2	8.00	78	0.48
HP - Demolition - Phase 1	Rubber Tired Dozers	0	8.00	247	0.40
HP - Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
HP - Building Construction	Sweepers/Scrubbers	2	8.00	64	0.46
HP - Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
HP - Phase 1 Architectural Coating	Cement and Mortar Mixers	6	8.00	9	0.56
HP - Phase 1 Architectural Coating	Pressure Washers	3	8.00	13	0.30
HP - Building Construction	Welders	0	8.00	46	0.45

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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
HP - Demolition - Phase 1	16	40.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
HP - Building Construction	10	128.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
HP - Phase 1 Architectural Coating	12	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

3.2 HP - Demolition - Phase 1 - 2028

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					0.0118	0.0000	0.0118	1.7900e-003	0.0000	1.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0355	0.3009	0.4974	8.8000e-004		0.0129	0.0129		0.0122	0.0122	0.0000	76.5861	76.5861	0.0176	0.0000	77.0259
Total	**0.0355**	**0.3009**	**0.4974**	**8.8000e-004**	**0.0118**	**0.0129**	**0.0247**	**1.7900e-003**	**0.0122**	**0.0140**	**0.0000**	**76.5861**	**76.5861**	**0.0176**	**0.0000**	**77.0259**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 HP - Demolition - Phase 1 - 2028

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	1.1000e-004	7.2400e-003	2.0300e-003	3.0000e-005	9.4000e-004	4.0000e-005	9.8000e-004	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	2.8973	2.8973	1.8000e-004	4.6000e-004	3.0392
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	1.0700e-003	7.1000e-004	0.0114	4.0000e-005	5.0400e-003	2.0000e-005	5.0600e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	3.4609	3.4609	7.0000e-005	8.0000e-005	3.4856
Total	**1.1800e-003**	**7.9500e-003**	**0.0135**	**7.0000e-005**	**5.9800e-003**	**6.0000e-005**	**6.0400e-003**	**1.6000e-003**	**6.0000e-005**	**1.6600e-003**	**0.0000**	**6.3582**	**6.3582**	**2.5000e-004**	**5.4000e-004**	**6.5248**

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					0.0118	0.0000	0.0118	1.7900e-003	0.0000	1.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0732	0.5789	8.8000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	76.5860	76.5860	0.0176	0.0000	77.0258
Total	**0.0108**	**0.0732**	**0.5789**	**8.8000e-004**	**0.0118**	**1.3500e-003**	**0.0132**	**1.7900e-003**	**1.3500e-003**	**3.1400e-003**	**0.0000**	**76.5860**	**76.5860**	**0.0176**	**0.0000**	**77.0258**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 HP - Demolition - Phase 1 - 2028

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	1.1000e-004	7.2400e-003	2.0300e-003	3.0000e-005	9.4000e-004	4.0000e-005	9.8000e-004	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	2.8973	2.8973	1.8000e-004	4.6000e-004	3.0392
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	1.0700e-003	7.1000e-004	0.0114	4.0000e-005	5.0400e-003	2.0000e-005	5.0600e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	3.4609	3.4609	7.0000e-005	8.0000e-005	3.4856
Total	**1.1800e-003**	**7.9500e-003**	**0.0135**	**7.0000e-005**	**5.9800e-003**	**6.0000e-005**	**6.0400e-003**	**1.6000e-003**	**6.0000e-005**	**1.6600e-003**	**0.0000**	**6.3582**	**6.3582**	**2.5000e-004**	**5.4000e-004**	**6.5248**

3.3 HP - Building Construction - 2028

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	0.1663	1.5216	1.6845	3.2000e-003		0.0655	0.0655		0.0616	0.0616	0.0000	276.6404	276.6404	0.0697	0.0000	278.3819
Total	**0.1663**	**1.5216**	**1.6845**	**3.2000e-003**		**0.0655**	**0.0655**		**0.0616**	**0.0616**	**0.0000**	**276.6404**	**276.6404**	**0.0697**	**0.0000**	**278.3819**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 HP - Building Construction - 2028

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	1.8400e-003	0.0729	0.0260	3.1000e-004	0.0117	3.6000e-004	0.0120	3.3700e-003	3.4000e-004	3.7100e-003	0.0000	30.7480	30.7480	1.1600e-003	4.4400e-003	32.0997
Worker	0.0290	0.0192	0.3098	1.0200e-003	0.1368	6.3000e-004	0.1374	0.0363	5.8000e-004	0.0369	0.0000	93.8954	93.8954	1.8100e-003	2.1000e-003	94.5659
Total	**0.0309**	**0.0921**	**0.3358**	**1.3300e-003**	**0.1484**	**9.9000e-004**	**0.1494**	**0.0397**	**9.2000e-004**	**0.0406**	**0.0000**	**124.6434**	**124.6434**	**2.9700e-003**	**6.5400e-003**	**126.6656**

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	0.0419	0.4041	1.8659	3.0600e-003		4.7800e-003	4.7800e-003		4.7800e-003	4.7800e-003	0.0000	267.7037	267.7037	0.0687	0.0000	269.4220
Total	**0.0419**	**0.4041**	**1.8659**	**3.0600e-003**		**4.7800e-003**	**4.7800e-003**		**4.7800e-003**	**4.7800e-003**	**0.0000**	**267.7037**	**267.7037**	**0.0687**	**0.0000**	**269.4220**

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3.3 HP - Building Construction - 2028

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	1.8400e-003	0.0729	0.0260	3.1000e-004	0.0117	3.6000e-004	0.0120	3.3700e-003	3.4000e-004	3.7100e-003	0.0000	30.7480	30.7480	1.1600e-003	4.4400e-003	32.0997
Worker	0.0290	0.0192	0.3098	1.0200e-003	0.1368	6.3000e-004	0.1374	0.0363	5.8000e-004	0.0369	0.0000	93.8954	93.8954	1.8100e-003	2.1000e-003	94.5659
Total	**0.0309**	**0.0921**	**0.3358**	**1.3300e-003**	**0.1484**	**9.9000e-004**	**0.1494**	**0.0397**	**9.2000e-004**	**0.0406**	**0.0000**	**124.6434**	**124.6434**	**2.9700e-003**	**6.5400e-003**	**126.6656**

3.3 HP - Building Construction - 2029

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	0.0631	0.5774	0.6392	1.2200e-003		0.0249	0.0249		0.0234	0.0234	0.0000	104.9815	104.9815	0.0264	0.0000	105.6424
Total	**0.0631**	**0.5774**	**0.6392**	**1.2200e-003**		**0.0249**	**0.0249**		**0.0234**	**0.0234**	**0.0000**	**104.9815**	**104.9815**	**0.0264**	**0.0000**	**105.6424**

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3.3 HP - Building Construction - 2029

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	6.9000e-004	0.0275	9.7800e-003	1.2000e-004	4.4300e-003	1.3000e-004	4.5700e-003	1.2800e-003	1.3000e-004	1.4100e-003	0.0000	11.4500	11.4500	4.4000e-004	1.6500e-003	11.9538
Worker	0.0104	6.7300e-003	0.1122	3.8000e-004	0.0519	2.2000e-004	0.0521	0.0138	2.1000e-004	0.0140	0.0000	34.8090	34.8090	6.3000e-004	7.6000e-004	35.0524
Total	**0.0111**	**0.0342**	**0.1219**	**5.0000e-004**	**0.0563**	**3.5000e-004**	**0.0567**	**0.0151**	**3.4000e-004**	**0.0154**	**0.0000**	**46.2590**	**46.2590**	**1.0700e-003**	**2.4100e-003**	**47.0062**

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	0.0159	0.1534	0.7081	1.1600e-003		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	101.5901	101.5901	0.0261	0.0000	102.2422
Total	**0.0159**	**0.1534**	**0.7081**	**1.1600e-003**		**1.8100e-003**	**1.8100e-003**		**1.8100e-003**	**1.8100e-003**	**0.0000**	**101.5901**	**101.5901**	**0.0261**	**0.0000**	**102.2422**

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3.3 HP - Building Construction - 2029

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	6.9000e-004	0.0275	9.7800e-003	1.2000e-004	4.4300e-003	1.3000e-004	4.5700e-003	1.2800e-003	1.3000e-004	1.4100e-003	0.0000	11.4500	11.4500	4.4000e-004	1.6500e-003	11.9538
Worker	0.0104	6.7300e-003	0.1122	3.8000e-004	0.0519	2.2000e-004	0.0521	0.0138	2.1000e-004	0.0140	0.0000	34.8090	34.8090	6.3000e-004	7.6000e-004	35.0524
Total	**0.0111**	**0.0342**	**0.1219**	**5.0000e-004**	**0.0563**	**3.5000e-004**	**0.0567**	**0.0151**	**3.4000e-004**	**0.0154**	**0.0000**	**46.2590**	**46.2590**	**1.0700e-003**	**2.4100e-003**	**47.0062**

3.4 HP - Phase 1 Architectural Coating - 2028

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	0.1787					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0213	0.1403	0.1720	3.2000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003	0.0000	24.6675	24.6675	1.7300e-003	0.0000	24.7108
Total	**0.2000**	**0.1403**	**0.1720**	**3.2000e-004**		**5.9600e-003**	**5.9600e-003**		**5.9600e-003**	**5.9600e-003**	**0.0000**	**24.6675**	**24.6675**	**1.7300e-003**	**0.0000**	**24.7108**

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3.4 HP - Phase 1 Architectural Coating - 2028

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	1.3000e-003	8.6000e-004	0.0139	5.0000e-005	6.1300e-003	3.0000e-005	6.1500e-003	1.6300e-003	3.0000e-005	1.6500e-003	0.0000	4.2057	4.2057	8.0000e-005	9.0000e-005	4.2358
Total	**1.3000e-003**	**8.6000e-004**	**0.0139**	**5.0000e-005**	**6.1300e-003**	**3.0000e-005**	**6.1500e-003**	**1.6300e-003**	**3.0000e-005**	**1.6500e-003**	**0.0000**	**4.2057**	**4.2057**	**8.0000e-005**	**9.0000e-005**	**4.2358**

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	0.1787					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	8.3100e-003	0.1182	2.3000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	18.7558	18.7558	1.1200e-003	0.0000	18.7837
Total	**0.1806**	**8.3100e-003**	**0.1182**	**2.3000e-004**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**18.7558**	**18.7558**	**1.1200e-003**	**0.0000**	**18.7837**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2028

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	1.3000e-003	8.6000e-004	0.0139	5.0000e-005	6.1300e-003	3.0000e-005	6.1500e-003	1.6300e-003	3.0000e-005	1.6500e-003	0.0000	4.2057	4.2057	8.0000e-005	9.0000e-005	4.2358
Total	**1.3000e-003**	**8.6000e-004**	**0.0139**	**5.0000e-005**	**6.1300e-003**	**3.0000e-005**	**6.1500e-003**	**1.6300e-003**	**3.0000e-005**	**1.6500e-003**	**0.0000**	**4.2057**	**4.2057**	**8.0000e-005**	**9.0000e-005**	**4.2358**

3.4 HP - Phase 1 Architectural Coating - 2029

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	0.3782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0451	0.2970	0.3639	6.7000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	52.2034	52.2034	3.6600e-003	0.0000	52.2949
Total	**0.4233**	**0.2970**	**0.3639**	**6.7000e-004**		**0.0126**	**0.0126**		**0.0126**	**0.0126**	**0.0000**	**52.2034**	**52.2034**	**3.6600e-003**	**0.0000**	**52.2949**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2029

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	2.6000e-003	1.6800e-003	0.0280	9.0000e-005	0.0130	6.0000e-005	0.0130	3.4400e-003	5.0000e-005	3.4900e-003	0.0000	8.6949	8.6949	1.6000e-004	1.9000e-004	8.7557
Total	**2.6000e-003**	**1.6800e-003**	**0.0280**	**9.0000e-005**	**0.0130**	**6.0000e-005**	**0.0130**	**3.4400e-003**	**5.0000e-005**	**3.4900e-003**	**0.0000**	**8.6949**	**8.6949**	**1.6000e-004**	**1.9000e-004**	**8.7557**

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	0.3782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0600e-003	0.0176	0.2501	4.8000e-004		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	39.6924	39.6924	2.3600e-003	0.0000	39.7514
Total	**0.3823**	**0.0176**	**0.2501**	**4.8000e-004**		**5.4000e-004**	**5.4000e-004**		**5.4000e-004**	**5.4000e-004**	**0.0000**	**39.6924**	**39.6924**	**2.3600e-003**	**0.0000**	**39.7514**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 HP - Phase 1 Architectural Coating - 2029

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	2.6000e-003	1.6800e-003	0.0280	9.0000e-005	0.0130	6.0000e-005	0.0130	3.4400e-003	5.0000e-005	3.4900e-003	0.0000	8.6949	8.6949	1.6000e-004	1.9000e-004	8.7557
Total	**2.6000e-003**	**1.6800e-003**	**0.0280**	**9.0000e-005**	**0.0130**	**6.0000e-005**	**0.0130**	**3.4400e-003**	**5.0000e-005**	**3.4900e-003**	**0.0000**	**8.6949**	**8.6949**	**1.6000e-004**	**1.9000e-004**	**8.7557**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Total	0.00	0.00	0.00		

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529534	0.067658	0.193471	0.126518	0.024260	0.006985	0.011675	0.007885	0.000939	0.000569	0.026493	0.000724	0.003288

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

OSP - Historic Alternative. Phase 3 - Construction Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.6432	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.6432	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6432					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	0.0000	0.0000	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	**0.6432**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6432					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	0.0000	0.0000	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	**0.6432**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Greenhouse Gas Appendix

GHG- 1 Assumptions

GHG- 2 Construction Summary

GHG- 3 Operational Summary

GHG- 4 PDF Reductions

GHG- 5 CO Intensity by Year

GHG- 6 CalEEMod Output

Greenhouse Gas Appendix
GHG-1 Assumptions

Air Quality Appendix

AQ- 1 Assumptions

AQ- 2 Construction Summary and Compilation

- A Unmitigated
- B Mitigated

AQ- 3 Operational Summary and Compilation

- A Unmitigated
- B Mitigated

AQ- 4 Construction and Operational Summary and Compilation

- A Unmitigated
- B Mitigated

AQ- 5 CalEEMod Output

AQ- 6 LST Analysis

- A Assumptions
- B Mitigated Summary
- C Mitigated Detailed Results
- D AERMOD Output Reports

AQ- 7 Health Risk Analysis

- A Unmitigated
  - 1 Assumptions & Emissions
  - 2 Offsite Residential
  - 3 Existing Onsite PA1
  - 4 Existing Onsite PA2
  - 5 Existing Onsite PA3
  - 6 Future Onsite Harbor
  - 7 Future Onsite PA1
  - 8 Future Onsite PA2
- B Mitigated
  - 1 Assumptions & Emissions
  - 2 Offsite Residential
  - 3 Existing Onsite PA1
  - 4 Existing Onsite PA2
  - 5 Existing Onsite PA3
  - 6 Future Onsite Harbor
  - 7 Future Onsite PA1
  - 8 Future Onsite PA2
- C AERMOD Output

Air Quality Appendix

AQ- 8 Alternatives

- A Assumptions
- B Unmitigated
  1. Proposed Project
     - a Construction Emissions Summary
     - b Operational Emissions Summary
  2. Partial Preservation
     - a Construction Emissions Summary
     - b Operational Emissions Summary
  3. Historic Preservation
     - a Construction Emissions Summary
     - b Operational Emissions Summary
- C Mitigated
  1. Proposed Project
     - a Construction Emissions Summary
     - b Operational Emissions Summary
  2. Partial Preservation
     - a Construction Emissions Summary
     - b Operational Emissions Summary
  3. Historic Preservation
     - a Construction Emissions Summary
     - b Operational Emissions Summary
- D CalEEMod Output
  1. Partial Preservation P1 Rebuild
  2. Partial Preservation P1 Rehab
  3. Partial Preservation P2 Rebuild
  4. Partial Preservation P2 Rehab
  5. Partial Preservation P3 Rebuils
  6. Partial Preservation P4 Rehab
  7. Historic Preservation P1 - Construction
  8. Historic Preservation P2 - Construction
  9. Historic Preservation P3 - Construction

Air Quality Appendix
AQ-1 Assumptions

One San Pedro Specific Plan
General Assumptions

Project Characteristics

Project Location	Los Angeles	CalEEMod Title:	
	SCAQMD	Date:	
Climate Zone	11		
Urbanization	Urban		
Operational Year (Buildout)	2038		
Construction Year	2024		
Utility Company	Southern California Edison		

Project Land Use	# Units	sqft	Ksf	acres	CalEEMod Use
Existing					
327 Harbor	Vacant			0.56	parking non-asphalt
Phase 1	156			7.31	Mid-Rise Apartments
Phase 2	144			5.92	Mid-Rise Apartments
Phase 3	178			7.14	Mid-Rise Apartments
	478			20.93	

To simplify the modeling, we are aiming to keep the number of land uses to a minimum. This also provides more flexibility to the project since the proposed uses are not tied to a specific land use. For example, we propose to model the commercial/retail under the "Strip Mall" land uses since this development can include retail, resturants, and offices. For the administraton/services/amenities, it would be more straightforward to model the squre footage as "General Office" since the proposed community uses would be more office spaces. The last row called Open Space Amenities would be for the proposed park and recreational areas. The unit can be square feet or acres.

One San Pedro Specific Plan
General Assumptions

Project Land Use	# Units/spaces	sqft	Ksf	acres	CalEEMod Use	
Scenario A						
Additional Site - 327 Harbor				0.56		
Residential	47	66,210				
Mid-Rise Apartments	47				Mid-Rise Apartment	
Townhomes					Townhouse	
Parking Garage	45				Enclosed Parking Garage w/elevator	
Planning Area 1				7.31		5.81
Residential	375					
Mid-Rise Apartments	343				Mid-Rise Apartment	
Townhomes	32				Townhouse	
Non-Residential		32,000				
Commercial/Retail		0	0		Strip Mall	
Neighborhood Serving		32,000	32		General Office	
Parking Garage	587	235,305			Enclosed Parking Garage w/elevator	
Open Space						
Amenities		40,974			Park	
Park				1.50	Park	
Planning Area2				5.92		4.22
Residential	600				0	
Mid-Rise Apartments	600					
Non-Residential		55,000				
Commercial/Retail		25,000	25		Strip Mall	
Neighborhood Serving		30,000	30		General Office	
Parking Garage	861	387,575			Enclosed Parking Garage w/elevator	
Open Space						
Amenities		62,051			Park	
Park				1.70	Park	
Planning Area 3				7.14		5.54
Residential	578				0	
Mid-Rise Apartments	533					
Townhomes	45					
Non-Residential		43,000				
Commercial/Retail		20,000	20		Strip Mall	
Neighborhood Serving		23,000	23		General Office	
Parking Garage	806	322,210			Enclosed Parking Garage w/elevator	
Open Space						
Amenities		66,436			Park	
Park				1.60	Park	

One San Pedro Specific Plan
General Assumptions

Project Land Use	# Units	sqft	Ksf	acres		
Scenario B						
Additional Site - 327 Harbor				0.56		
Residential	47					
Mid-Rise Apartments	47				Mid-Rise Apartment	
Townhomes					Townhouse	
Planning Area 1				7.31		
Residential	450					
Mid-Rise Apartments	418				Mid-Rise Apartment	
Townhomes	32				Townhouse	
Non-Residential		39,000				
Commercial/Retail		0	0		Strip Mall	
Neighborhood Serving		39,000	39		General Office	
Parking Garage	720	282,366			Enclosed Parking Garage w/elevator	
Open Space						
Amenities		49,169			Park	
Park				1.50	Park	
Planning Area2				5.92		4.22
Residential	673				0	
Mid-Rise Apartments	673					
Non-Residential		67,000				
Commercial/Retail		30,000	30		Strip Mall	
Neighborhood Serving		37,000	37		General Office	
Parking Garage	1,033	465,090			Enclosed Parking Garage w/elevator	
Open Space						
Amenities		74,461			Park	
Park				1.70	Park	
Planning Area 3				7.14		
Residential	430				0	
Mid-Rise Apartments	385					
Townhomes	45					
Non-Residential		24,000				
Commercial/Retail		15,000	15		Strip Mall	
Neighborhood Serving		9,000	9		General Office	
Parking Garage	514	386,652			Enclosed Parking Garage w/elevator	
Open Space						
Amenities		33,700			Park	
Park				1.60	Park	

One San Pedro Specific Plan
General Assumptions

Population

Residents 2.42 Persons/Unit (Pop Housing Section)

	Units	Population	Units	Population
		Existing		
PA1	156	378	NA	
PA2	144	348	NA	
PA3	178	431	NA	
Total		1,157		
		Proposed		
		Scenario A	*Scenario B*	
Harbor	47	114	47	114
PA-1 - Mid Rise	343	830	418	1,012
PA-1 - Townhouse	32	77	32	77
PA-2 - Mid Rise	600	1,452	673	1,629
PA-3 - Mid Rise	533	1,290	385	932
PA-3 - Townhouse	45	109	45	109
Total		3,872		3,872
Net New		2,715		2,715

Non-Residential	KSF	Total Employees	Employee/ksf
Supermarket	15	60	4
High Turnover Sit-down	12	48	4
Neighborhood Serving	103	206	2
Total		314	

Population and Housing

SCAG 2016

	2012	**2040**	**Growth**	**Project**	**% Growth**
Population	3,845,500	4,609,400	763,900	2,715	0.35544443
Employment	1,696,400	2,169,100	472,700	314	0.066426909

SCAG 2022

	2016	**2045**	**Growth**	**Project**	**% Growth**
Population	3,933,800	4,771,300	837,500	2,715	0.324207761
Employment	1,848,300	2,135,900	287,600	314	0.109179416

One San Pedro Specific Plan
General Assumptions

EV Charging Determination Parking

Spaces		Title 24 Mandatory	Tier II Voluntary	
45	Harbor	20.00%	40.00%	% EV Ready
2,092	OSP	427	855	Spaces
2,137	Total	25.00%	15.00%	% EV Charging Stations[1]
		107	321	Spaces

1 Note: Mandatory requires 20% to be EV ready and 25% of the EV ready to have charging stations active on day one. Tier II Voluntary measure requires 40% to be EV Ready and 15% of the total spaces to equipped with EV charging stations.

Units per acre

	Units	Acres	Units/acre
Scenario A - PA1	375	7.31	51
Scenario A - PA2	600	5.92	101
Scenario A - PA3	578	7.14	81
Harbor (Scenario A & B)	47	0.56	84
Scenario B - PA1	450	7.31	62
Scenario B - PA2	673	5.92	114
Scenario B - PA3	430	7.14	60

Affordable Housing

	Units	Affordable Units
Harbor	47	46
OSP	1,553	932
Total New Units		978
Existing	478	478
Increase in Affordable Housing		500

One San Pedro Specific Plan
Construction Assumptions

CalEEMod Defaults are assumed for modeling purposes unless specifically discussed in the Construction Assumptions below.

Project Schedule:

Construction Monday thru Friday 7:00 am to 3:30 pm Occassionaly Saturday or later day work

Phase Name	Start Date	End Date	Days/Week	Adjusted Total Days	Default Total Days	
327 Harbor	**3/1/2023**	**3/1/2025**	**5**			
Demolition			5	0	0	0
Site Prep	3/1/2023	3/13/23	5	9	2	0.017241
Grading	3/14/2023	3/24/23	5	9	2	0.017241
Utilities Trenching	3/25/2023	4/6/23	5	9	2	0.017241
Building Construction	4/7/2023	12/26/24	5	451	100	0.862069
Paving	4/7/2023	4/12/23	5	5	5	
Architectural Coating	4/18/2024	2/27/2025	5	225	5	
				523	116	
Phase 1	**1/1/2024**	**12/21/2030**	**5**			
Demolition	1/1/2024	6/17/24	5	121	20	0.066667
Site Prep	6/18/2024	9/10/24	5	61	10	0.033333
Grading	9/10/2024	2/26/25	5	121	20	0.066667
Utilities Trenching	2/27/2025	8/14/25	5	121	20	0.066667
Building Construction	8/15/2025	15/2025	5	1395	230	0.766667
Paving	8/15/2025	9/11/25	5	20	20	
Architectural Coating	4/19/2028	12/20/2030	5	698	20	
				1820	300	

One San Pedro Specific Plan
Construction Assumptions

	Phase Name	Start Date	End Date	Days/Week	Adjusted Total Days	Default Total Days		
Phase 2		**1/1/2031**	**12/21/2035**	**5**				
	Demolition	1/1/2031	4/16/31	5	76	20	0.058824	
	Site Prep	4/17/2031	6/9/31	5	38	10	0.029412	
	Grading	6/10/2031	9/23/31	5	76	20	0.058824	
	Utilities Trenching	9/24/2031	1/7/32	5	76	20	0.058824	
	Building Construction	1/8/2032	5/21/35	5	878	230	0.676471	1.947511
	Paving	1/8/2032	2/4/32	5	20	20		
	Architectural Coating	4/18/2034	12/21/2035	5	439	20		
					1298	340		
Phase 3		**3/1/2034**	**12/21/2037**	**5**				
	Demolition	3/1/2034	5/19/34	5	58	20	0.058824	
	Site Prep	5/20/2034	6/26/34	5	29	10	0.029412	
	Grading	6/30/2034	9/19/34	5	58	20	0.058824	
	Utilities Trenching	9/19/2034	12/7/34	5	58	20	0.058824	
	Building Construction	12/8/2034	7/6/37	5	672	230	0.676471	
	Paving	12/8/2034	1/4/35	5	20	20		
	Architectural Coating	9/5/2036	12/21/2037	5	336	20		
					994	340		

Trips and VMT Use CalEEMod Defaults for everything other than soil haul trucks

PhaseName	Worker Trips	Vendor Trips	One-way Trips
Grading (Harbor)	Default	Default	280
Grading (Phase 1)	Default	Default	8,493
Grading (Phase 2)	Default	Default	6,878
Granding (Phase 3)	Default	Default	8,295
Total			23,666

Note: Haul trucks per phase will be determined by total acerage unless specifics for each phase are known.

Offroad Equipment See Equipment by phase information

Dust from Material Movement Uses "Mitigated" fugitive dust results to account for SCAQMD Dust control requirements

	Import (Cys)	Export (CY)	acres	Export/acre
Grading		378,645	20.37	18,588
Additional Site - 327 Harbor		4,481	0.56	
Phase 1		135,881	7.31	
Phase 2		110,043	5.92	
Phase 3		132,721	7.14	

One San Pedro Specific Plan
Construction Assumptions

Demolition Square Footage to be demolished

		# Units	Sqft Demo	sqft/unit	
Total		478	500,303	1,047	18192.836
	Phase 1	156	156,280		
	Phase 2	144	150,719		
	Phase 3	178	186,305		

Demolition will based on existing units unless otherwise known.

Onroad Fugitive Dust Uses CalEEMod Defaults

Architectural Coatings Uses CalEEMod Defaults

	Res Interior	Res Exterior	NonRes Interior	Non Res Ext	Paving
Phase 1 - Scenario A	759,375	253,125	109,461	36,487	14,118
Phase 1 - Scenario B	911,250	303,750	132,254	44,085	17,280
Phase 2 - Scenario A	1,215,000	405,000	175,577	58,526	20,664
Phase 2 - Scenario B	1,362,825	454,275	207,692	69,231	27,905
Phase 3 - Scenario A	1,166,400	388,800	164,154	54,718	19,333
Phase 3 - Scenario B	870,750	290,250	91,050	30,350	23,119

Note:
Construction for Scenario A and B were modeled together. As construction schedule and equipipment does not change between scenarios, the only differes is the amount of architectural coating application. Therefore the architectural coating phases for each Scenario are called out as a separate phase in the CalEEMod modeling.

One San Pedro Specific Plan
Operational Emissions

CalEEMod Defaults are assumed for modeling purposes unless specifically discussed in the Operational Assumptions below.

Mobile Sources

Vehicle Trips:

Source: City of Los Angeles VMT Calculator Version 1.3 Output - dated 1/11/2023 (MXD without TDM Mitigation)

	Daily Trips	**Daily VMT**
Home Based work Production	1,081	12,759
Home Based other Production	2,335	17,043
Home based work Attraction	146	2,099
Home based other attraction	2,695	21,292
Non-Home based Other Production	2,488	24,633
Non-Home Based Other Attraction	1,254	14,550
	9,999	92,376
Residential	6,257	53,193
Non-Residential	3,742	39,183

EV Charging **321 EV Charging Stations.**

	Harbor	PA1	PA2	PA3	
			Scenario A		
Parking Spaces	45	587	861	806	2,299
% Total	0.0195737	0.2553284	0.3745107	0.350587212	
# EV Stations	6	82	120	113	
			Scenario B		
Parking Spaces	45	720	1,033	514	2,312
% Total	0.0194637	0.3114187	0.4467993	0.222318339	
# EV Stations	6	100	143	71	

One San Pedro Specific Plan
Operational Emissions

	Scenario A							Modeled		Output
	DU	**% Units**	**Daily Trips**	**Daily VMT**	**trips/DU**	**VMT/trip**	**Annual VMT**	**trips/DU**	**VMT/trip**	**Annual VMT**
Harbor	47	0.029375	293.72	1,563	6.249375	5.319831983	570,329	6.25	5.34	570,980
Phase 1	375	0.234375	2,343.52	12,467	6.249375	5.319831983	4,550,495	6.25	6.02	4,560,593
Phase 2	600	0.375	3,749.63	19,947	6.249375	5.319831983	7,280,792	6.25	5.33	7,275,450
Phase 3	578	0.36125	3,612.14	19,216	6.249375	5.319831983	7,013,830	6.25	5.329	7,008,845
Check	1,600		9,999	53,193			19,415,445			19,415,868

	Scenario A									
	KSF	**%KSF**	**Daily Trips**	**Daily VMT**	**trips/KSF**	**VMT/trip**	**Annual VMT**	**trips/DU**	**VMT/trip**	**Annual VMT**
Harbor	0									
Phase 1	32	0.2461538	921	9,645	28.78461538	10.47113843	3,520,442	28.79	12.9	3,537,816
Phase 2	55	0.4230769	1,583	16,577	28.78461538	10.47113843	6,050,759	28.79	10.49	6,046,183
Phase 3	43	0.3307692	1,238	12,961	28.78461538	10.47113843	4,730,594	28.79	10.48	4,718,003
	130		3,742	39,183			14,301,795			14,302,002

	Scenario B									
	DU	**% Units**	**Daily Trips**	**Daily VMT**	**trips/DU**	**VMT/trip**				
Harbor	47	0.029375	294	1,563	6.249375	5.319831983	570,329	6.25	5.34	570,980
Phase 1	450	0.28125	2,812	14,961	6.249375	5.319831983	5,460,594	6.25	6.01	5,463,353
Phase 2	673	0.420625	4,206	22,374	6.249375	5.319831983	8,166,622	6.25	5.33	8,160,630
Phase 3	430	0.26875	2,687	14,296	6.249375	5.319831983	5,217,901	6.25	5.335	5,218,964
	1,600		9,999	53,193			19,415,445			19,413,927

	Scenario B									
	KSF	**%KSF**	**Daily Trips**	**Daily VMT**	**trips/KSF**	**VMT/trip**				
Harbor	0									
Phase 1	39	0.3	1,123	11,755	28.78461538	10.47113843	4,290,539	28.79	12.85	4,295,007
Phase 2	67	0.5153846	1,929	20,194	28.78461538	10.47113843	7,370,925	28.79	10.49	7,365,350
Phase 3	24	0.1846154	691	7,234	28.78461538	10.47113843	2,640,331	28.79	10.51	2,643,365
	130		3,742	39,183			14,301,795			14,303,722

Note: VMT was modeled such that total VMT is equal to or slightly higher than what is in the traffic study and may not split evenly among the phases and landuses due to how CalEEMod computes VMT.

	Traffic Study	Modeled	Difference (modeled - Traffic Study)
Scenario A	33,717,240	33,717,870	630 Annual VMT
Scenario B	33,717,240	33,717,649	409 Annual VMT

One San Pedro Specific Plan
Operational Emissions

Area Sources

Hearths:

Existing Assumes no Fireplaces

Proposed All residential units are all electric. Therefore, no natural gas, propane or wood burning hearts used.

Energy Use

	Existing	Proposed
Title 24 Compilance	2008	2019

	T24 Electricity	NT24 Electricity	Lighting Electricity	T24 Natural Gas	NT24 Natural Gas
	KWh/DU			kBtu/DU	
Existing	231.59	2553.86	741.44	5546	1662
Project	35.05	3054.1	741.44	4180	4831

Source: CalEEMod Appendix D, Table 8.1 Energy Use by Climate Zone and Land Use Type

* Residential portions of the building are all electric

Conversion from NG to Electric for Residential 1 Btu = 0.000293071 KWh 1 kBtu = 0.293071083 kWh

	Default NG		Conversion to kWh		Default Electric		Revised Electric	
	T24 NG	NT24 NG	T24 NG	NT24 NG	T24 D Elec	NT24 D Elec	T24 R Elec	NT24 R Elec
	kBtu		kWh		kWh		kWh	
Apt. Mid	4,179.80	4,831.00	1,224.98	1,415.83	35.05	3,054.10	1,260.03	4,469.93
Townhouse	12,162.60	4,831.00	3,564.51	1,415.83	39.19	3,795.01	3,603.70	5,210.84
Parking Garage	0.00	0.00	0.00	0.00	3.50	0.19	3.50	0.19

One San Pedro Specific Plan
Operational Emissions

Water Use Source: LADWP 2022. Water Supply Assessment - One San Pedro Specific Plan Project. May 2022

325851.4333 gallons per acre foot

	Units/SF	AF/year	gallons/yr	2023 T24 Req.	gallons/yr/unit	% Total	% Inside	Inside	Outside
					Existing				
Total Residential	478	104.53	34,061,250.32		71,257.85		0.613333333	20,890,900.20	13,170,350.12
PA 1	156				11,116,223.95		0.613333333	6,817,950.69	4,298,273.26
PA 2	144				10,261,129.80		0.613333333	6,293,492.95	3,967,636.86
PA 3	178				12,683,896.56		0.613333333	7,779,456.56	4,904,440.00
	478								
					Proposed Scenario A				
Total Residential	1600	208.77	68,028,003.72		42,517.50				
Harbor	47		1,998,322.61	1598658.087			0.6133	980,510.30	618,147.79
PA 1	375		15,944,063.37	12755250.7				7,823,220.44	4,932,030.26
PA 2	600		25,510,501.40	20408401.12				12,517,152.70	7,891,248.41
PA 3	578		24,575,116.34	19660093.08				12,058,190.44	7,601,902.64
	1,553								
Total Non-Residential									
Neighborhood	85	8.81	2,870,751.13		33,773.54		0.6200		
PA 1	32		1,080,753.37	864602.6924				536,053.67	328,549.02
PA 2	30		1,013,206.28	810565.0241				502,550.32	308,014.71
PA 3	23		776,791.48	621433.1851				385,288.57	236,144.61
Commercial	45	9.83	3,203,119.59		71,180.44		0.620000001		
PA 1	0		0.00	0				0.00	0.00
PA 2	25		1,779,510.88	1423608.706				882,637.40	540,971.31
PA 3	20		1,423,608.71	1138886.965				706,109.92	432,777.05
Parking Garage	945.09	0.70	228,096.00		241.35				
PA 1	235		56,790.50	45432.39696				27,865.20	17,567.19
PA 2	388		93,540.62	74832.49932				45,897.27	28,935.23
PA 3	322		77,764.88	62211.90635				38,156.64	24,055.27
Landscaping	431.159	19.47	6,344,327.41						
PA 1	1.50		1,982,602.31	1586081.851		0.3125		0	1586081.851
PA 2	1.70		2,246,949.29	1797559.432		0.354166667			1797559.432
PA 3	1.60		2,114,775.80	1691820.641		0.333333333			1691820.641

One San Pedro Specific Plan
Operational Emissions

	Units/SF	AF/year	gallons/yr	2023 T24 Req.	gallons/yr/unit	% Total			
					Proposed Scenario B				
Total Residential	1600	208.77	68,028,003.72		42,517.50		% Inside	Inside	Outside
Harbor	47		1,998,322.61	1598658.087			0.6133		
PA 1	450		19,132,876.05	15306300.84				9,387,864.53	5,918,436.31
PA 2	673		28,614,279.07	22891423.25				14,040,072.95	8,851,350.30
PA 3	430		18,282,526.00	14626020.8				8,970,626.10	5,655,394.70
	1,553								
Total Non-Residential									
Neighborhood	85	8.81	2,870,751.13		33,773.54		0.6200		
PA 1	39		1,317,168.16	1053734.531				653,315.41	400,419.12
PA 2	37		1,249,621.08	999696.8631				619,812.06	379,884.81
PA 3	9		303,961.88	243169.5072				150,765.09	92,404.41
Commercial	45	9.83	3,203,119.59		71,180.44		0.6200		
PA 1	0		0.00	0				0.00	0.00
PA 2	30		2,135,413.06	1708330.447				1,059,164.88	649,165.57
PA 3	15		1,067,706.53	854165.2237				529,582.44	324,582.78
Parking Garage	945.09	0.70	228,096.00				0.6133		
PA 1	282		56,790.50	45,432		0.248976288		27,865.20	17,567.19
PA 2	465		93,540.62	74,832		0.410093219		45,897.27	28,935.23
PA 3	387		77,764.88	62,212		0.340930493		38,156.64	24,055.27
Landscaping	431.159	19.47	6,344,327.41						
PA 1	1.50		1,982,602.31	1586081.851		0.3125			1,586,081.85
PA 2	1.70		2,246,949.29	1797559.432		0.354166667			1,797,559.43
PA 3	1.60		2,114,775.80	1691820.641		0.333333333			1,691,820.64

Removal of Septic from Wastewater Treatment

	Septic	Aerobic	Lagoons
Default	10.33	87.46	2.21
%		97.54%	2.46%
Additional		10.07540761	0.254592394
Revised		97.54	2.46

One San Pedro Specific Plan
Operational Emissions

Solid Waste

CalEEMod Defaults Used and incorporates a 25% reduction to account for the 75% total diversion requirements as 50% is assumed accounted for in CalEEMOD

		Scenario A				Scenario B			
		Default	**% red**	**Tons Red**	**Revised**	**Default**	**% red**	**Tons Red**	**Revised**
Existing		219.88	0.25	54.97	164.91				
Harbor		22.54		5.64	16.91				
PA1	Apt	157.78		39.45	118.34	192.28		48.07	144.21
	Town	14.72		3.68	11.04	14.72		3.68	11.04
	Park	0.13		0.03	0.10	0.13		0.03	0.10
	Neighborhood	29.76		7.44	22.32	36.27		9.07	27.20
PA2	Apt	276		69.00	207.00	309.58		77.40	232.19
	Commercial	26.25		6.56	19.69	34.41		8.60	25.81
	Park	0.15		0.04	0.11	0.15		0.04	0.11
	Neighborhood	27.9		6.98	20.93	28.35		7.09	21.26
PA3	Apt	244.26		61.07	183.20	177.1		44.28	132.83
	Condo	20.7		5.18	15.53	20.7		5.18	15.53
	Commercial	21		5.25	15.75	18.9		4.73	14.18
	Park	0.14		0.04	0.11	0.14		0.04	0.11
	Neighborhood	21.39		5.35	16.04	8.37		2.09	6.28

Greenhouse Gas Appendix
GHG-2 Construction Summary

One San Pedro Specific Plan
Unmitigated GHG Summary Tables

Table 4.5- 2 Estimated GHG Emissions during Construction

Year	Annual Emissions (MT of CO_2e)				
	Harbor	PA1	PA2	PA3	Total
2023	178				178
2024	190	2,016			2,207
2025	9	2,420			2,429
2006		1,403			1,403
2027		1,384			1,384
2028		1,572			1,572
2029		1,649			1,649
2030		1,668			1,668
2031			2,454		2,454
2037			1,580		1,580
2033			1,454		1,454
2034			1,688	2,122	3,810
2035			893	1,477	2,370
2036				1,573	1,573
2037				1,065	1,065
Total					26,794
Amortized over 30 years					893

One San Pedro Specific Plan
GHG Emissions Summary

Construction

		Scenario A/B
Harbor		377
	2023	177.73
	2024	190.26
	2025	9.07
Phase 1		12,112.49
	2024	2,016.39
	2025	2,420.33
	2026	1,403.13
	2027	1,384.04
	2028	1,571.87
	2029	1,648.80
	2030	1,667.93
Phase 2		8,068.11
	2031	2,454
	2032	1,580
	2033	1,454
	2034	1,688
	2035	893
Phase 3		6,236.63
	2034	2,122
	2035	1,477
	2036	1,573
	2037	1,065
Total		26,794.30
Amortized		893.1432233

One San Pedro Specific Plan

Electricity Use from Water Usage During Construction

Assumptions

9,727 KWh/million gallons[1]
0.009727 kWh/gallon
2,013 gal/acre/day[2]
1,000 kWhr/MWhr

Construction Electricity Consumptionfrom Water Use

Phase	Const. Phase	Days	Site Acres	Gallons	Electricity (kWhr)		MWhr
Harbor	Demolition	0	0.56	0	0		
Harbor	Site Preparation	9	0.56	10,147	99		
Harbor	Grading	9	0.56	10,147	99		
Harbor	Utilities/Trenching	9	0.56	10,167	99	296	0.30
PA1	Demolition	121	7.31	1,785,719	17,370		
PA1	Site Preparation	61	7.31	892,860	8,685		
PA1	Grading	121	7.31	1,785,719	17,370		
PA1	Utilities/Trenching	121	7.31	1,785,719	17,370	60,794	61
PA2	Demolition	76	5.92	910,046	8,852		
PA2	Site Preparation	38	5.92	455,023	4,426		
PA2	Grading	76	5.92	910,046	8,852		
PA2	Utilities/Trenching	76	5.92	910,046	8,852	30,982	31
PA3	Demolition	58	7.14	840,526	8,176		
PA3	Site Preparation	29	7.14	420,263	4,088		
PA3	Grading	58	7.14	840,526	8,176		
PA3	Utilities/Trenching	58	7.14	840,526	8,176	28,615	29
Total					***120,688***	***120,688***	121

1 CalEEMod User Guide Appendix D Table 9.2 *Water and wastewater Electricity Intensity.*

2 Air & Waste Management Association Air Pollution Engineering Manual (1992 Edition)

3020 Gallons per year of water usage for dust control is calculated based on a minimum control efficiency of 66% (three times daily) with an application rate of 3,020 gal/acre/day.

1,007 Gallons/waterting/acre

2,013 2 waterings per day for fugitive dust mitigation based on SCAQMD requirements.

One San Pedro Specific Plan
Electricity use from Equipment

Assumptions

Electric Equipment

	Type	HP	LF	Typical Load
CMM	Cement and Mortar Mixers	9	0.56	5
PC	Plate Compactor	8	0.43	3
SB	Signal Board	6	0.82	5
W	Welders	46	0.45	21
PW	Pressure Washer	13	0.3	4

0.7457 KWhr/HPh

1,000 kWhr/MWhr

Summary Construction Electricity Consumptionfrom Equipment Use

	kWh	MWhr
Harbor	78,956	79
PA1	211,580	212
PA2	133,763	134
PA3	102,826	103
Total	**527,124**	**527**

Construction Electricity Consumptionfrom Equipment Use

Phase	Const. Phase	Equipment	Number	Hrs/day	Days	Total Hrs	Total HP	kWh		MWhr
Harbor	Grading	PC	1	8	9	72	577	430	78,956	79
	Grading	W	2	8	9	72	3,318	2,474		
	Utilities Trenching	SB	2	8	9	72	433	323		
	Building Construction	CMM	1	8	451	3,607	32,462	24,207		
	Building Construction	PC	1	8	451	3,607	28,855	21,517		
	Paving	PC	1	8	5	40	320	239		
	Paving	SB	1	8	5	40	240	179		
	Architectural Coating	CMM	2	8	225	1,803	16,231	12,103		
	Architectural Coating	PW	1	8	225	1,803	23,445	17,483		

One San Pedro Specific Plan
Electricity use from Equipment

Phase	Const. Phase	Equipment	Number	Hrs/day	Days	Total Hrs	Total HP	kWh		MWhr
PA1	Grading	PC	4	8	121	971	7,765	5,791	211,580	212
	Grading	W	8	8	121	971	44,651	33,296		
	Utilities Trenching	SB	8	8	121	971	5,824	4,343		
	Building Construction	CMM	4	8	1,395	11,163	100,464	74,916		
	Paving	PC	4	8	20	160	1,280	954		
	Paving	SB	4	8	20	160	960	716		
	Architectural Coating	CMM	8	8	698	5,581	50,232	37,458		
	Architectural Coating	PW	4	8	698	5,581	72,557	54,106		
PA2	Grading	PC	4	8	76	611	4,887	3,644	133,763	134
	Grading	W	8	8	76	611	28,098	20,953		
	Utilities Trenching	SB	4	8	76	611	3,665	2,733		
	Building Construction	CMM	4	8	878	7,024	63,220	47,143		
	Paving	PC	4	8	20	160	1,280	954		
	Paving	SB	4	8	20	160	960	716		
	Architectural Coating	CMM	8	8	439	3,512	31,610	23,572		
	Architectural Coating	PW	4	8	439	3,512	45,659	34,048		
PA3	Grading	PC	4	8	58	468	3,742	2,790	102,826	103
	Grading	W	8	8	58	468	21,517	16,045		
	Utilities Trenching	SB	8	8	58	468	2,807	2,093		
	Building Construction	CMM	4	8	672	5,379	48,414	36,102		
	Paving	PC	4	8	20	160	1,280	954		
	Paving	SB	4	8	20	160	960	716		
	Architectural Coating	CMM	8	8	336	2,690	24,207	18,051		
	Architectural Coating	PW	4	8	336	2,690	34,965	26,074		

Greenhouse Gas Appendix
GHG-3 Operational Summary

One San Pedro Specific Plan
Unmitigated GHG Summary Tables

Operational			
Area	8	28	28
Electric	485	1,088	1,148
Mobile	2,440	9,670	9,533
Solid Waste	83	325	326
Water	92	78	78
Total	3,108	11,188	11,113
Construction		**893**	893
PDF GHG-1: PV Solar		(156)	(165)
PDF GHG-2: EV Charging Stations		(6,013)	(6,035)
PDF GHG-3: TDM Program		(206)	(206)
Project w/ Construction		5,707	5,600
Additional Regulatory Reductions		(73)	(77)
Total Project		**5,634**	**5,524**
Net Project Operational w/Construction		**2,526**	**2,415**
Reduction from PDFs		(6,375)	(6,405)

One San Pedro Specific Plan
GHG Emissions Summary

Operational

					Total
		Existing			
Area					8.25
Energy					485.47
Mobile					2,439.55
Waste					82.93
Water					92.06
Total					3,108.27
Population					1,157
Emissions/SP					2.69
		Project Scenario A			
	Harbor	**PA1**	**PA2**	**PA3**	**Total**
Area	0.8107	6.4839	10.3721	9.9909	27.6576
Energy	38.5771	263.7037	409.5104	375.9917	1,087.7829
Electric	38.5771	245.9933	390.7194	361.5123	1,036.8021
NG	0.0000	17.7104	18.7910	14.4794	50.9808
Mobile	70.4774	826.5162	1,537.8611	1,221.6162	3,656.4709
Vehicles	192.1468	2,433.0542	3,744.7323	3,299.7533	9,669.6866
Charging Stations	(121.67)	(1606.54)	(2206.87)	(2078.14)	(6013.22)
Waste	8.5041	76.3405	124.5838	115.9842	325.4126
Water	3.3111	17.8475	29.1307	27.5399	77.8292
Total	121.6804	1,190.8918	2,111.4581	1,751.1229	5,175.1532
Amortized Construction					893.1432
Total Operational					6,068.2964

One San Pedro Specific Plan
GHG Emissions Summary

Operational

						Total
			Existing			
Area						8.25
Energy						485.47
Mobile						2,439.55
Waste						82.93
Water						92.06
Total						3,108.27
Population						1,156.76
Emissions/SP						2.69
			Project Scenario B			
		Harbor	**PA1**	**PA2**	**PA3**	**Total**
Area		0.8107	7.7811	11.6359	7.4302	27.6579
Energy		38.5771	315.9650	474.9399	318.3280	1,147.8100
	Electric	38.5771	294.3804	451.8372	312.0344	1,096.8291
	NG	0.0000	21.5846	23.1027	6.2936	50.9809
Mobile		70.4774	804.4628	1,714.4171	909.2783	3,498.6355
	Vehicles	192.1468	2,763.6555	4,362.6625	2,215.0104	9,533.4752
	Charging Stations	(121.67)	(1959.19)	(2648.25)	(1305.73)	(6034.84)
Waste		8.5041	91.8047	140.4956	84.9552	325.7596
Water		3.3111	21.2201	32.7717	20.5262	77.8291
Total		121.6804	1,241.2337	2,374.2602	1,340.5179	5,077.6921
	Amortized Construction					893.1432
	Total Operational					5,970.8353

One San Pedro Specific Plan
GHG Emissions Summary

PDF Emissions Reductions Quantification

	(MT CO_2e)	
	Scenario A	**Scenario B**
TDM Strategies (PDF GHG-3)		
Total Annual MT CO2e	9,670	9,533
Total VMT	33,717,870	33,717,649
MT CO2e/VMT	3.E-04	3.E-04
Total VMT	33,717,240	33,717,240
Daily VMT Reduction from TDM	1,968	1,968
Annual VMT Reduction from TDM	718,320	718,320
MT CO2e Reduction from TDM Implementation	(206)	(206)
Total Emissions (with TDM)	11,803	11,723
PV Solar (PDF GHG-1)		
Total Electric Emissions	1,037	1,097
15% onsite/offsite PV Solar	(156)	(165)
Reduced Electric Emissions	881	932
EV Charging Stations (PDF GHG-2)		
Total Mobile Emissions	9,669.69	9,533.48
321 Charging Stations	(6,013)	(6,035)
Reduced Mobile Emissions	3,656	3,499

Greenhouse Gas Appendix
GHG-4 PDF Reductions

One San Pedro Specific Plan
GHG Emissions Reductions from Charging Stations (PDF GHG-2)

Estimated GHG Emissions Reductions to replace gasoline vehicles with Electric Vehicles

			Scenario A		
	Harbor	**PA1**	**PA2**	**PA3**	
Project Electricity Emission Factor[1]	0.13	0.06	0.06	0.06	
Electric Vehicle Fuel Economy[2]	0.25	0.25	0.25	0.25	
Gasoline CO_2e Emissions while Running[3]	254	229	216	216	
Annual VMT Reduction per charging Station[4]	91,250	91,250	91,250	91,250	
Number of Chargers[5]	6	82	120	113	321
Annual VMT Reduction All Stations (based on Charge)	547,500	7,482,500	10,950,000	10,311,250	29,291,250

Estimated Benefit from Installing Electric Vehicle Charging Stations.

	Harbor	**PA1**	**PA2**	**PA3**	**Average**
GHG Emissions of Gasoline vehicles	139	1,716	2,367	2,229	
GHG Emisssions of Electric Vehicles	17	109	160	150	
Net Reduction in Emissions	122	1,607	2,207	2,078	
Emissions/station		19.591927	18.390593	18.390593	18.791038

One San Pedro Specific Plan
GHG Emissions Reductions from Charging Stations (PDF GHG-2)

Estimated GHG Emissions Reductions to replace gasoline veh ***Estimated GHG Emissions Reductions to replace gasoline vehicles with Electric Vehicles***

Scenario B

	Harbor	**PA1**	**PA2**	**PA3**			Conversion Factors:	
Project Electricity Emission Factor[1]	0.13	0.06	0.06	0.06		$MTCO_2e$/MWh	2204.62	lb/MT
Electric Vehicle Fuel Economy[2]	0.25	0.25	0.25	0.25		kWh/mile	1.00E-06	MT/gram
Gasoline CO_2e Emissions while Running[3]	254	229	216	216		gr/mile	0.001	MWh to KWh
Annual VMT Reduction per charging Station[4]	91,250	91,250	91,250	91,250		miles/charging station/year)		
Number of Chargers[5]	6	100	144	71	321			
Annual VMT Reduction All Stations (based on Charge)	547,500	9,125,000	13,140,000	6,478,750		miles/year		

Estimated Benefit from Installing Electric Vehicle Charging St ***Estimated Benefit from Installing Electric Vehicle Charging Stations.***

	Harbor	**PA1**	**PA2**	**PA3**	**Average**		
GHG Emissions of Gasoline vehicles	139	2,092	2,840	1,400			$MTCO_2e$/yr
GHG Emisssions of Electric Vehicles	17	133	192	95		280	$MTCO_2e$/yr
Net Reduction in Emissions	122	1,959	2,648	1,306		0.13	$MTCO_2e$/yr
Emissions/station		19.59193	18.3905934	18.3905934	18.79104		

One San Pedro Specific Plan
GHG Emissions Reductions from Charging Stations (PDF GHG-2)

Notes:

[1] CO_2e intensity factor of lb/kWh is consistent with previous project CalEEMod runs.

Harbor	PA1	PA2	PA3
279.62	128.70	128.70	128.70

[2] Obtained from National Renewable Energy Laboratory (NREL), 2018. California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025 (Table C.1). Available at: https://www.nrel.gov/docs/fy18osti/70893.pdf.

[3] Obtained emission factor from CalEEMod Annual CO_2 gr/mile for LDA

Harbor	PA1	PA2	PA3
253.94	229.3006	216.1353	216.1353

[4] Annual VMT reduction estimated based on an estimate of ten hours of charge time for a Level 2 charging station that charges at a rate of 25 driving range per hour.

[5] Number of charging stations

One San Pedro Specific Plan
GHG Emissions Reductions from Charging Stations (PDF GHG-2)

Notes:

[1] CO_2e intensity factor of lb/kWh is consistent with previous p

[2] Obtained from National Renewable Energy Laboratory (NREI
Projections: 2017-2025 (Table C.1). Available at: https://www.

[3] Obtained emission factor from CalEEMod Annual CO_2 gr/mil

[4] Annual VMT reduction estimated based on an estimate of te
charges at a rate of 25 driving range per hour.

[5] Number of charging stations

One San Pedro Specific Plan
Support for 2022 Scoping Plan Consistency

Affordable Housing Trip Reduction

4.15	trips/du for Affordable Housing[1]
5.44	trips/du for market rate mid-rise buildings[1]
1.29	Difference in trips/du
978	# Affordable Housing
1,600	Total housing
320	20% (Required by 2022 Scoping Plan)
658	Additional Affordable Housing Units
849	Daily Trip reduction from increased affordable housing.
8.50	Average miles/trip[2]
7,214	Daily VMT Reduction

[1] Fehr & Peers 2020. *One San Pedro - Affordable Housing Categories and Trip Generation E-mail. December 7th.*

[2] City of Los Angeles VMT Calculator Version 1.3 Output - dated 1/11/2023

GHG Emissions Reductions from Increased Affordable Housing Units.

	g/VMT LDA[3]	CO_2e	Daily	g/day	g/yr	MT/yr
CH_4	0.002	0.053				
CO_2	253.936	253.936				
N_2O	0.004	1.187				
CO_2e		255.175	7,214	1,840,813	671,896,817	672

Constants:		
	25	GWP CH4
	298	GWP N2O
	365	Days/year
	1,000,000	Grams/Metric Ton

3 As a conservative approximation of GHG emissions, emission factors from CalEEMod for the LDA vehicle type were used to detemrine GHG emissions although it is anticipated that LDA, LDA1, and LDA2 vehicle types are factored into the CalEEMod default fleet mix. Emission factors for all three vhehicle types are provided below.

	LDA	LDT1	LDT2
CH_4	0.0021	0.005239	0.003626
CO_2	253.93568	301.975908	315.599715
N_2O	0.003982	0.006597	0.005659

Greenhouse Gas Appendix
GHG-5 CO Intensity by Year

One San Pedro Specific Plan

CO_2e Intensity by Year

	CO_2e	Year	RPS %	% per year	Reduction %/yr	
Base	**689**					
Southern California Edison[1]	393	2021	43%	4%	57%	
	364.65	2022	47%		53%	
	336.31	2023	51%		49%	
	307.96	2024	55%		45%	
	279.62	2025	59%		41%	
	251.27	2026	64%		36%	
	222.93	2027	68%		32%	
	194.58	2028	72%		28%	
	166.24	2029	76%		24%	
SCE[2]	137.89	2030	80%	1%	20%	
	128.70	2031	81%		19%	
	119.51	2032	83%		17%	
	110.32	2033	84%		16%	
	101.12	2034	85%		15%	
	91.93	2035	87%		13%	
	82.74	2036	88%		12%	
	73.54	2037	89%		11%	7%
	64.35	2038	91%		9%	
	55.16	2039	92%		8%	
	45.96	2040	93%		7%	
	36.77	2041	95%		5%	
	27.58	2042	96%		4%	
	18.39	2043	97%		3%	
	9.19	2044	99%		1%	
SCE[2]	0.00	2045	100%		0%	

Source:

1 CalEEMod

2 SCE: 2021 Sustainability Report: https://www.edison.com/content/dam/eix/documents/sustainability/eix-2021-sustainability-report-goals-summary.pdf

Greenhouse Gas Appendix
GHG-6 CalEEMod Output

OSP - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

OSP - Existing

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	478.00	Dwelling Unit	20.37	478,000.00	1157

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - No Construction activities

Off-road Equipment - No Construction

Trips and VMT - No Construction

Architectural Coating - No Construction

Vehicle Trips - See Assumptions

Energy Use - See Assumptions - Historic Energy Use

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Woodstoves - See Assumptions

OSP - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	322,650.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	967,950.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	T24NG	5,546.02	5,546.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	406.30	0.00
tblFireplaces	NumberNoFireplace	47.80	478.00
tblFireplaces	NumberWood	23.90	0.00
tblLandUse	LotAcreage	12.58	20.37
tblLandUse	Population	1,367.00	1,157.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	219.88	164.91
tblTripsAndVMT	WorkerTripNumber	69.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	9.06
tblVehicleTrips	HS_TL	5.90	9.06
tblVehicleTrips	HW_TL	14.70	9.06
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	4.35
tblVehicleTrips	SU_TR	4.09	4.35
tblVehicleTrips	WD_TR	5.44	4.35
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	31,143,624.25	20,890,900.20
tblWater	OutdoorWaterUseRate	19,634,023.98	13,170,350.12
tblWater	SepticTankPercent	10.33	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWoodstoves	NumberCatalytic	23.90	0.00
tblWoodstoves	NumberNoncatalytic	23.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

OSP - Existing - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	2.0259	0.0569	4.9348	2.6000e-004		0.0273	0.0273		0.0273	0.0273	0.0000	8.0522	8.0522	7.7700e-003	0.0000	8.2464
Energy	0.0186	0.1588	0.0676	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	482.8395	482.8395	0.0288	6.4300e-003	485.4745
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.7080	0.0000	2,403.4096	2,403.4096	0.1663	0.1073	2,439.5518
Waste						0.0000	0.0000		0.0000	0.0000	33.4752	0.0000	33.4752	1.9783	0.0000	82.9335
Water						0.0000	0.0000		0.0000	0.0000	7.3912	74.1913	81.5825	0.2185	0.0168	92.0601
Total	**3.2107**	**1.7110**	**17.3065**	**0.0271**	**2.5768**	**0.0622**	**2.6391**	**0.6875**	**0.0607**	**0.7482**	**40.8665**	**2,968.4926**	**3,009.3590**	**2.3996**	**0.1306**	**3,108.2662**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	2.0259	0.0569	4.9348	2.6000e-004		0.0273	0.0273		0.0273	0.0273	0.0000	8.0522	8.0522	7.7700e-003	0.0000	8.2464
Energy	0.0186	0.1588	0.0676	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	482.8395	482.8395	0.0288	6.4300e-003	485.4745
Mobile	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.7080	0.0000	2,403.4096	2,403.4096	0.1663	0.1073	2,439.5518
Waste						0.0000	0.0000		0.0000	0.0000	33.4752	0.0000	33.4752	1.9783	0.0000	82.9335
Water						0.0000	0.0000		0.0000	0.0000	7.3912	74.1913	81.5825	0.2185	0.0168	92.0601
Total	**3.2107**	**1.7110**	**17.3065**	**0.0271**	**2.5768**	**0.0622**	**2.6391**	**0.6875**	**0.0607**	**0.7482**	**40.8665**	**2,968.4926**	**3,009.3590**	**2.3996**	**0.1306**	**3,108.2662**

	ROG	NOx	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	Architectural Coating	Architectural Coating	9/30/2022	9/29/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	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
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 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					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.2 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.7080	0.0000	2,403.4096	2,403.4096	0.1663	0.1073	2,439.5518
Unmitigated	1.1663	1.4954	12.3042	0.0259	2.5768	0.0221	2.5989	0.6875	0.0206	0.7080	0.0000	2,403.4096	2,403.4096	0.1663	0.1073	2,439.5518

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,079.30	2,079.30	2079.30	6,859,015	6,859,015
Total	2,079.30	2,079.30	2,079.30	6,859,015	6,859,015

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	9.06	9.06	9.06	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.546774	0.061880	0.186704	0.127505	0.022909	0.005912	0.010702	0.008032	0.000940	0.000617	0.023937	0.000692	0.003397

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	298.9786	298.9786	0.0252	3.0600e-003	300.5210
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	298.9786	298.9786	0.0252	3.0600e-003	300.5210
NaturalGas Mitigated	0.0186	0.1588	0.0676	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.8610	183.8610	3.5200e-003	3.3700e-003	184.9535
NaturalGas Unmitigated	0.0186	0.1588	0.0676	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.8610	183.8610	3.5200e-003	3.3700e-003	184.9535

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.44542e+006	0.0186	0.1588	0.0676	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.8610	183.8610	3.5200e-003	3.3700e-003	184.9535
Total		**0.0186**	**0.1588**	**0.0676**	**1.0100e-003**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**183.8610**	**183.8610**	**3.5200e-003**	**3.3700e-003**	**184.9535**

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	3.44542e+006	0.0186	0.1588	0.0676	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.8610	183.8610	3.5200e-003	3.3700e-003	184.9535
Total		**0.0186**	**0.1588**	**0.0676**	**1.0100e-003**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**183.8610**	**183.8610**	**3.5200e-003**	**3.3700e-003**	**184.9535**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.68585e+006	298.9786	0.0252	3.0600e-003	300.5210
Total		**298.9786**	**0.0252**	**3.0600e-003**	**300.5210**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.68585e+006	298.9786	0.0252	3.0600e-003	300.5210
Total		**298.9786**	**0.0252**	**3.0600e-003**	**300.5210**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive 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	2.0259	0.0569	4.9348	2.6000e-004		0.0273	0.0273		0.0273	0.0273	0.0000	8.0522	8.0522	7.7700e-003	0.0000	8.2464
Unmitigated	2.0259	0.0569	4.9348	2.6000e-004		0.0273	0.0273		0.0273	0.0273	0.0000	8.0522	8.0522	7.7700e-003	0.0000	8.2464

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	0.1496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7273					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	0.1491	0.0569	4.9348	2.6000e-004		0.0273	0.0273		0.0273	0.0273	0.0000	8.0522	8.0522	7.7700e-003	0.0000	8.2464
Total	**2.0259**	**0.0569**	**4.9348**	**2.6000e-004**		**0.0273**	**0.0273**		**0.0273**	**0.0273**	**0.0000**	**8.0522**	**8.0522**	**7.7700e-003**	**0.0000**	**8.2464**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7273					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	0.1491	0.0569	4.9348	2.6000e-004		0.0273	0.0273		0.0273	0.0273	0.0000	8.0522	8.0522	7.7700e-003	0.0000	8.2464
Total	**2.0259**	**0.0569**	**4.9348**	**2.6000e-004**		**0.0273**	**0.0273**		**0.0273**	**0.0273**	**0.0000**	**8.0522**	**8.0522**	**7.7700e-003**	**0.0000**	**8.2464**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	81.5825	0.2185	0.0168	92.0601
Unmitigated	81.5825	0.2185	0.0168	92.0601

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	20.8909 / 13.1704	81.5825	0.2185	0.0168	92.0601
Total		**81.5825**	**0.2185**	**0.0168**	**92.0601**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	20.8909 / 13.1704	81.5825	0.2185	0.0168	92.0601
Total		**81.5825**	**0.2185**	**0.0168**	**92.0601**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.4752	1.9783	0.0000	82.9335
Unmitigated	33.4752	1.9783	0.0000	82.9335

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	164.91	33.4752	1.9783	0.0000	82.9335
Total		**33.4752**	**1.9783**	**0.0000**	**82.9335**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	164.91	33.4752	1.9783	0.0000	82.9335
Total		**33.4752**	**1.9783**	**0.0000**	**82.9335**

9.0 Operational Offroad

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	47.00	Dwelling Unit	0.56	47,000.00	134

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see assumptions

Construction Phase - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - see assumptions

Off-road Equipment - see assumptions

Off-road Equipment - see assumptions

Off-road Equipment - See Assumptions

Trips and VMT - see assumptions

Grading - See Assumptions

Vehicle Trips - Operation modeled separately

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Vehicle Emission Factors - Operational modeled separately

Vehicle Emission Factors - operational modeled separately

Vehicle Emission Factors - operational modeled separately

Woodstoves - Operation modeled separately

Consumer Products - Operation modeled separately

Area Coating - Operation modeled separately

Energy Use - Operation modeled separately

Water And Wastewater - Operation modeled separately

Solid Waste - Operation modeled separately

Construction Off-road Equipment Mitigation - See assumptions - Tier 4 is project statndard for >50 hp. Alternative (electric) fuel is project standard for <50 hp

Architectural Coating - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	31,725.00	33,075.00
tblArchitecturalCoating	ConstArea_Residential_Interior	95,175.00	99,225.00
tblAreaCoating	Area_Residential_Exterior	31725	33075
tblAreaCoating	Area_Residential_Interior	95175	99225
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	1.00	9.00
tblConstructionPhase	NumDays	2.00	9.00
tblConstructionPhase	NumDays	100.00	451.00
tblConstructionPhase	NumDays	5.00	225.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	0.00
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	39.95	0.00
tblFireplaces	NumberNoFireplace	4.70	0.00
tblFireplaces	NumberWood	2.35	0.00
tblGrading	MaterialExported	0.00	4,481.00
tblLandUse	LotAcreage	1.24	0.56
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Paving

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblOffRoadEquipment	PhaseName		Utilities Trenching
tblSolidWaste	SolidWasteGenerationRate	21.62	0.00
tblTripsAndVMT	HaulingTripNumber	560.00	280.00
tblTripsAndVMT	WorkerTripNumber	35.00	33.00
tblTripsAndVMT	WorkerTripNumber	34.00	35.00
tblVehicleEF	LDA	0.56	0.56
tblVehicleEF	LDA	1.81	1.80
tblVehicleEF	LDA	248.28	238.95
tblVehicleEF	LDA	48.72	46.88
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	1.5160e-003	1.5030e-003
tblVehicleEF	LDA	1.5800e-003	1.5660e-003
tblVehicleEF	LDA	1.3960e-003	1.3840e-003
tblVehicleEF	LDA	1.4530e-003	1.4400e-003
tblVehicleEF	LDA	0.04	0.04

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	6.9360e-003	6.9230e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.16
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	0.62	0.61
tblVehicleEF	LDA	1.55	1.53
tblVehicleEF	LDA	259.54	249.77
tblVehicleEF	LDA	48.23	46.40
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	1.5160e-003	1.5030e-003
tblVehicleEF	LDA	1.5800e-003	1.5660e-003
tblVehicleEF	LDA	1.3960e-003	1.3840e-003
tblVehicleEF	LDA	1.4530e-003	1.4400e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	7.3710e-003	7.3570e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.08

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.15	0.15
tblVehicleEF	LDA	0.54	0.53
tblVehicleEF	LDA	1.87	1.85
tblVehicleEF	LDA	244.18	235.00
tblVehicleEF	LDA	48.83	46.98
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	1.5160e-003	1.5030e-003
tblVehicleEF	LDA	1.5800e-003	1.5660e-003
tblVehicleEF	LDA	1.3960e-003	1.3840e-003
tblVehicleEF	LDA	1.4530e-003	1.4400e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	6.7960e-003	6.7830e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.16	0.16
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	9.8730e-003	9.8530e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDT1	0.99	0.98
tblVehicleEF	LDT1	1.95	1.93
tblVehicleEF	LDT1	296.26	285.04

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	LDT1	58.46	56.24
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	2.0450e-003	2.0260e-003
tblVehicleEF	LDT1	2.0340e-003	2.0150e-003
tblVehicleEF	LDT1	1.8810e-003	1.8640e-003
tblVehicleEF	LDT1	1.8700e-003	1.8530e-003
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.23
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.26	0.26
tblVehicleEF	LDT1	1.08	1.07
tblVehicleEF	LDT1	1.66	1.65
tblVehicleEF	LDT1	307.66	296.00
tblVehicleEF	LDT1	57.90	55.70
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	2.0450e-003	2.0260e-003
tblVehicleEF	LDT1	2.0340e-003	2.0150e-003
tblVehicleEF	LDT1	1.8810e-003	1.8640e-003
tblVehicleEF	LDT1	1.8700e-003	1.8530e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	0.23
tblVehicleEF	LDT1	0.95	0.95
tblVehicleEF	LDT1	2.01	2.00
tblVehicleEF	LDT1	292.09	281.02
tblVehicleEF	LDT1	58.58	56.36
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	2.0450e-003	2.0260e-003
tblVehicleEF	LDT1	2.0340e-003	2.0150e-003
tblVehicleEF	LDT1	1.8810e-003	1.8640e-003
tblVehicleEF	LDT1	1.8700e-003	1.8530e-003
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.24	0.24
tblVehicleEF	LDT1	0.09	0.09

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.26	0.26
tblVehicleEF	LDT2	0.78	0.77
tblVehicleEF	LDT2	2.30	2.29
tblVehicleEF	LDT2	307.36	295.80
tblVehicleEF	LDT2	61.00	58.69
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	1.6450e-003	1.6310e-003
tblVehicleEF	LDT2	1.6500e-003	1.6350e-003
tblVehicleEF	LDT2	1.5140e-003	1.5010e-003
tblVehicleEF	LDT2	1.5170e-003	1.5030e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.22	0.22
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.24	0.24
tblVehicleEF	LDT2	0.86	0.85
tblVehicleEF	LDT2	1.97	1.95

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	LDT2	318.10	306.13
tblVehicleEF	LDT2	60.36	58.07
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	1.6450e-003	1.6310e-003
tblVehicleEF	LDT2	1.6500e-003	1.6350e-003
tblVehicleEF	LDT2	1.5140e-003	1.5010e-003
tblVehicleEF	LDT2	1.5170e-003	1.5030e-003
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.22	0.22
tblVehicleEF	LDT2	0.75	0.75
tblVehicleEF	LDT2	2.38	2.36
tblVehicleEF	LDT2	303.43	292.01
tblVehicleEF	LDT2	61.14	58.82
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	1.6450e-003	1.6310e-003
tblVehicleEF	LDT2	1.6500e-003	1.6350e-003
tblVehicleEF	LDT2	1.5140e-003	1.5010e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	LDT2	1.5170e-003	1.5030e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.23	0.23
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.25	0.25
tblVehicleEF	MDV	0.84	0.84
tblVehicleEF	MDV	2.49	2.47
tblVehicleEF	MDV	377.82	363.86
tblVehicleEF	MDV	73.77	70.98
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	1.6900e-003	1.6760e-003
tblVehicleEF	MDV	1.6670e-003	1.6520e-003
tblVehicleEF	MDV	1.5580e-003	1.5440e-003
tblVehicleEF	MDV	1.5330e-003	1.5190e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.26	0.26

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.29	0.29
tblVehicleEF	MDV	0.92	0.92
tblVehicleEF	MDV	2.12	2.10
tblVehicleEF	MDV	388.92	374.54
tblVehicleEF	MDV	73.07	70.30
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	1.6900e-003	1.6760e-003
tblVehicleEF	MDV	1.6670e-003	1.6520e-003
tblVehicleEF	MDV	1.5580e-003	1.5440e-003
tblVehicleEF	MDV	1.5330e-003	1.5190e-003
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.26	0.26
tblVehicleEF	MDV	0.81	0.81

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleEF	MDV	2.57	2.55
tblVehicleEF	MDV	373.76	359.95
tblVehicleEF	MDV	73.93	71.13
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	1.6900e-003	1.6760e-003
tblVehicleEF	MDV	1.6670e-003	1.6520e-003
tblVehicleEF	MDV	1.5580e-003	1.5440e-003
tblVehicleEF	MDV	1.5330e-003	1.5190e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.27	0.27
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.29	0.29
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MHD	976.69	976.69
tblVehicleEF	SBUS	348.45	348.45
tblVehicleEF	UBUS	7.5000e-005	7.6000e-005
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	WD_TR	5.44	0.00
tblWater	IndoorWaterUseRate	3,062,239.20	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	OutdoorWaterUseRate	1,930,542.11	0.00
tblWoodstoves	NumberCatalytic	2.35	0.00
tblWoodstoves	NumberNoncatalytic	2.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2023	0.0907	0.7967	0.9403	2.0000e-003	0.0514	0.0339	0.0853	0.0130	0.0317	0.0447	0.0000	175.8243	175.8243	0.0358	3.3900e-003	177.7311
2024	0.2317	0.8335	1.0253	2.2000e-003	0.0610	0.0342	0.0952	0.0163	0.0324	0.0487	0.0000	188.6057	188.6057	0.0331	2.7700e-003	190.2602
2025	0.0351	0.0449	0.0589	1.1000e-004	1.5700e-003	1.9000e-003	3.4700e-003	4.2000e-004	1.9000e-003	2.3200e-003	0.0000	9.0511	9.0511	5.8000e-004	3.0000e-005	9.0740
Maximum	**0.2317**	**0.8335**	**1.0253**	**2.2000e-003**	**0.0610**	**0.0342**	**0.0952**	**0.0163**	**0.0324**	**0.0487**	**0.0000**	**188.6057**	**188.6057**	**0.0358**	**3.3900e-003**	**190.2602**

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					
2023	0.0303	0.1978	0.9390	1.7800e-003	0.0486	2.7100e-003	0.0514	0.0127	2.6900e-003	0.0153	0.0000	159.5331	159.5331	0.0345	3.3900e-003	161.4072
2024	0.1611	0.2061	0.9762	1.9100e-003	0.0610	3.4900e-003	0.0645	0.0163	3.4600e-003	0.0198	0.0000	170.1494	170.1494	0.0312	2.7700e-003	171.7560
2025	0.0295	7.1000e-003	0.0417	9.0000e-005	1.5700e-003	2.9000e-004	1.8600e-003	4.2000e-004	2.8000e-004	7.0000e-004	0.0000	7.1722	7.1722	3.8000e-004	3.0000e-005	7.1902
Maximum	**0.1611**	**0.2061**	**0.9762**	**1.9100e-003**	**0.0610**	**3.4900e-003**	**0.0645**	**0.0163**	**3.4600e-003**	**0.0198**	**0.0000**	**170.1494**	**170.1494**	**0.0345**	**3.3900e-003**	**171.7560**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	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	**38.19**	**75.46**	**3.34**	**12.30**	**2.42**	**90.72**	**35.98**	**1.01**	**90.26**	**62.60**	**0.00**	**9.81**	**9.81**	**4.92**	**0.00**	**9.74**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-17-2023**	**4-16-2023**	0.3499	0.0795
2	**4-17-2023**	**7-16-2023**	0.1833	0.0502
3	**7-17-2023**	**10-16-2023**	0.1854	0.0509
4	**10-17-2023**	**1-16-2024**	0.1845	0.0515
5	**1-17-2024**	**4-16-2024**	0.1746	0.0504
6	**4-17-2024**	**7-16-2024**	0.3022	0.1077
7	**7-17-2024**	**10-16-2024**	0.3071	0.1097
8	**10-17-2024**	**1-16-2025**	0.2689	0.0992
9	**1-17-2025**	**4-16-2025**	0.0572	0.0262
		Highest	0.3499	0.1097

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1844	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1844**	**5.5800e-003**	**0.4842**	**3.0000e-005**	**0.0000**	**2.6900e-003**	**2.6900e-003**	**0.0000**	**2.6900e-003**	**2.6900e-003**	**0.0000**	**0.7917**	**0.7917**	**7.6000e-004**	**0.0000**	**0.8107**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1844	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1844**	**5.5800e-003**	**0.4842**	**3.0000e-005**	**0.0000**	**2.6900e-003**	**2.6900e-003**	**0.0000**	**2.6900e-003**	**2.6900e-003**	**0.0000**	**0.7917**	**0.7917**	**7.6000e-004**	**0.0000**	**0.8107**

	ROG	NOx	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	Site Preparation	Site Preparation	3/1/2023	3/13/2023	5	9	
2	Grading	Grading	3/14/2023	3/24/2023	5	9	
3	Building Construction	Building Construction	4/7/2023	12/27/2024	5	451	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	4/7/2023	4/13/2023	5	5	
5	Utilities Trenching	Trenching	3/25/2023	4/6/2023	5	9	
6	Architectural Coating	Architectural Coating	4/18/2024	2/26/2025	5	225	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9

Acres of Paving: 0

Residential Indoor: 99,225; Residential Outdoor: 33,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Trenchers	1	8.00	78	0.50
Grading	Air Compressors	2	8.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	0	6.00	187	0.41
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Pumps	1	8.00	84	0.74
Grading	Rough Terrain Forklifts	1	8.00	100	0.40
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	1	4.00	64	0.46
Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Welders	2	8.00	46	0.45
Utilities Trenching	Air Compressors	1	8.00	78	0.48
Utilities Trenching	Concrete/Industrial Saws	1	8.00	81	0.73

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Utilities Trenching	Excavators	1	8.00	158	0.38
Utilities Trenching	Generator Sets	1	8.00	84	0.74
Utilities Trenching	Paving Equipment	1	8.00	132	0.36
Utilities Trenching	Rollers	1	8.00	80	0.38
Utilities Trenching	Rubber Tired Loaders	2	8.00	203	0.36
Utilities Trenching	Signal Boards	2	8.00	6	0.82
Utilities Trenching	Surfacing Equipment	1	8.00	263	0.30
Utilities Trenching	Sweepers/Scrubbers	1	4.00	64	0.46
Utilities Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Generator Sets	1	8.00	84	0.74
Paving	Pavers	1	7.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	7.00	80	0.38
Paving	Signal Boards	1	8.00	6	0.82
Paving	Sweepers/Scrubbers	4	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	2	8.00	9	0.56
Architectural Coating	Pressure Washers	1	8.00	13	0.30

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Site Preparation	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	15	38.00	0.00	280.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Trenching	14	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	35.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 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					
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	1.5600e-003	0.0146	0.0117	2.0000e-005		1.0100e-003	1.0100e-003		9.3000e-004	9.3000e-004	0.0000	1.3357	1.3357	4.3000e-004	0.0000	1.3465
Total	**1.5600e-003**	**0.0146**	**0.0117**	**2.0000e-005**	**0.0000**	**1.0100e-003**	**1.0100e-003**	**0.0000**	**9.3000e-004**	**9.3000e-004**	**0.0000**	**1.3357**	**1.3357**	**4.3000e-004**	**0.0000**	**1.3465**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 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	4.0000e-005	3.0000e-005	4.6000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1192	0.1192	0.0000	0.0000	0.1202
Total	**4.0000e-005**	**3.0000e-005**	**4.6000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1192**	**0.1192**	**0.0000**	**0.0000**	**0.1202**

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	1.9000e-004	8.0000e-004	0.0115	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.3357	1.3357	4.3000e-004	0.0000	1.3465
Total	**1.9000e-004**	**8.0000e-004**	**0.0115**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**1.3357**	**1.3357**	**4.3000e-004**	**0.0000**	**1.3465**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 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	4.0000e-005	3.0000e-005	4.6000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1192	0.1192	0.0000	0.0000	0.1202
Total	**4.0000e-005**	**3.0000e-005**	**4.6000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1192**	**0.1192**	**0.0000**	**0.0000**	**0.1202**

3.3 Grading - 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					
Fugitive Dust					5.0300e-003	0.0000	5.0300e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0155	0.1337	0.1690	2.9000e-004		6.0600e-003	6.0600e-003		5.7800e-003	5.7800e-003	0.0000	25.1672	25.1672	5.5200e-003	0.0000	25.3052
Total	**0.0155**	**0.1337**	**0.1690**	**2.9000e-004**	**5.0300e-003**	**6.0600e-003**	**0.0111**	**5.5000e-004**	**5.7800e-003**	**6.3300e-003**	**0.0000**	**25.1672**	**25.1672**	**5.5200e-003**	**0.0000**	**25.3052**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 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	3.0000e-004	0.0193	4.9000e-003	8.0000e-005	2.4100e-003	1.2000e-004	2.5200e-003	6.6000e-004	1.1000e-004	7.7000e-004	0.0000	8.1658	8.1658	4.5000e-004	1.3000e-003	8.5634
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	5.4000e-004	4.3000e-004	5.8400e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5102	1.5102	4.0000e-005	4.0000e-005	1.5228
Total	**8.4000e-004**	**0.0197**	**0.0107**	**1.0000e-004**	**4.2800e-003**	**1.3000e-004**	**4.4100e-003**	**1.1600e-003**	**1.2000e-004**	**1.2800e-003**	**0.0000**	**9.6760**	**9.6760**	**4.9000e-004**	**1.3400e-003**	**10.0862**

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					2.2600e-003	0.0000	2.2600e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2300e-003	0.0177	0.1500	2.4000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	20.7890	20.7890	5.2100e-003	0.0000	20.9192
Total	**3.2300e-003**	**0.0177**	**0.1500**	**2.4000e-004**	**2.2600e-003**	**5.3000e-004**	**2.7900e-003**	**2.5000e-004**	**5.3000e-004**	**7.8000e-004**	**0.0000**	**20.7890**	**20.7890**	**5.2100e-003**	**0.0000**	**20.9192**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 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	3.0000e-004	0.0193	4.9000e-003	8.0000e-005	2.4100e-003	1.2000e-004	2.5200e-003	6.6000e-004	1.1000e-004	7.7000e-004	0.0000	8.1658	8.1658	4.5000e-004	1.3000e-003	8.5634
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	5.4000e-004	4.3000e-004	5.8400e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5102	1.5102	4.0000e-005	4.0000e-005	1.5228
Total	**8.4000e-004**	**0.0197**	**0.0107**	**1.0000e-004**	**4.2800e-003**	**1.3000e-004**	**4.4100e-003**	**1.1600e-003**	**1.2000e-004**	**1.2800e-003**	**0.0000**	**9.6760**	**9.6760**	**4.9000e-004**	**1.3400e-003**	**10.0862**

3.4 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	0.0450	0.4565	0.4472	8.4000e-004		0.0194	0.0194		0.0180	0.0180	0.0000	71.1540	71.1540	0.0214	0.0000	71.6889
Total	**0.0450**	**0.4565**	**0.4472**	**8.4000e-004**		**0.0194**	**0.0194**		**0.0180**	**0.0180**	**0.0000**	**71.1540**	**71.1540**	**0.0214**	**0.0000**	**71.6889**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	5.4000e-004	0.0192	7.2000e-003	9.0000e-005	3.0100e-003	9.0000e-005	3.1000e-003	8.7000e-004	9.0000e-005	9.6000e-004	0.0000	8.6820	8.6820	2.9000e-004	1.2500e-003	9.0616
Worker	0.0106	8.4300e-003	0.1142	3.2000e-004	0.0366	2.3000e-004	0.0369	9.7300e-003	2.1000e-004	9.9400e-003	0.0000	29.5202	29.5202	7.8000e-004	7.6000e-004	29.7657
Total	**0.0112**	**0.0277**	**0.1214**	**4.1000e-004**	**0.0396**	**3.2000e-004**	**0.0400**	**0.0106**	**3.0000e-004**	**0.0109**	**0.0000**	**38.2022**	**38.2022**	**1.0700e-003**	**2.0100e-003**	**38.8273**

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	0.0104	0.1001	0.4651	7.3000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	63.7902	63.7902	0.0206	0.0000	64.3060
Total	**0.0104**	**0.1001**	**0.4651**	**7.3000e-004**		**1.1900e-003**	**1.1900e-003**		**1.1900e-003**	**1.1900e-003**	**0.0000**	**63.7902**	**63.7902**	**0.0206**	**0.0000**	**64.3060**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 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	5.4000e-004	0.0192	7.2000e-003	9.0000e-005	3.0100e-003	9.0000e-005	3.1000e-003	8.7000e-004	9.0000e-005	9.6000e-004	0.0000	8.6820	8.6820	2.9000e-004	1.2500e-003	9.0616
Worker	0.0106	8.4300e-003	0.1142	3.2000e-004	0.0366	2.3000e-004	0.0369	9.7300e-003	2.1000e-004	9.9400e-003	0.0000	29.5202	29.5202	7.8000e-004	7.6000e-004	29.7657
Total	**0.0112**	**0.0277**	**0.1214**	**4.1000e-004**	**0.0396**	**3.2000e-004**	**0.0400**	**0.0106**	**3.0000e-004**	**0.0109**	**0.0000**	**38.2022**	**38.2022**	**1.0700e-003**	**2.0100e-003**	**38.8273**

3.4 Building Construction - 2024

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	0.0589	0.5884	0.6050	1.1400e-003		0.0243	0.0243		0.0226	0.0226	0.0000	96.8502	96.8502	0.0291	0.0000	97.5783
Total	**0.0589**	**0.5884**	**0.6050**	**1.1400e-003**		**0.0243**	**0.0243**		**0.0226**	**0.0226**	**0.0000**	**96.8502**	**96.8502**	**0.0291**	**0.0000**	**97.5783**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

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	7.1000e-004	0.0263	9.6000e-003	1.2000e-004	4.1000e-003	1.3000e-004	4.2200e-003	1.1800e-003	1.2000e-004	1.3000e-003	0.0000	11.6411	11.6411	4.0000e-004	1.6800e-003	12.1508
Worker	0.0135	0.0102	0.1448	4.2000e-004	0.0499	2.9000e-004	0.0502	0.0132	2.7000e-004	0.0135	0.0000	39.3589	39.3589	9.6000e-004	9.6000e-004	39.6689
Total	**0.0142**	**0.0365**	**0.1544**	**5.4000e-004**	**0.0540**	**4.2000e-004**	**0.0544**	**0.0144**	**3.9000e-004**	**0.0148**	**0.0000**	**51.0000**	**51.0000**	**1.3600e-003**	**2.6400e-003**	**51.8197**

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	0.0142	0.1363	0.6332	9.9000e-004		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	86.8262	86.8262	0.0281	0.0000	87.5283
Total	**0.0142**	**0.1363**	**0.6332**	**9.9000e-004**		**1.6200e-003**	**1.6200e-003**		**1.6200e-003**	**1.6200e-003**	**0.0000**	**86.8262**	**86.8262**	**0.0281**	**0.0000**	**87.5283**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

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	7.1000e-004	0.0263	9.6000e-003	1.2000e-004	4.1000e-003	1.3000e-004	4.2200e-003	1.1800e-003	1.2000e-004	1.3000e-003	0.0000	11.6411	11.6411	4.0000e-004	1.6800e-003	12.1508
Worker	0.0135	0.0102	0.1448	4.2000e-004	0.0499	2.9000e-004	0.0502	0.0132	2.7000e-004	0.0135	0.0000	39.3589	39.3589	9.6000e-004	9.6000e-004	39.6689
Total	**0.0142**	**0.0365**	**0.1544**	**5.4000e-004**	**0.0540**	**4.2000e-004**	**0.0544**	**0.0144**	**3.9000e-004**	**0.0148**	**0.0000**	**51.0000**	**51.0000**	**1.3600e-003**	**2.6400e-003**	**51.8197**

3.5 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	4.0100e-003	0.0370	0.0464	7.0000e-005		2.0500e-003	2.0500e-003		1.9200e-003	1.9200e-003	0.0000	6.1386	6.1386	1.5500e-003	0.0000	6.1773
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.0100e-003**	**0.0370**	**0.0464**	**7.0000e-005**		**2.0500e-003**	**2.0500e-003**		**1.9200e-003**	**1.9200e-003**	**0.0000**	**6.1386**	**6.1386**	**1.5500e-003**	**0.0000**	**6.1773**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	2.0000e-004	1.6000e-004	2.1400e-003	1.0000e-005	6.8000e-004	0.0000	6.9000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5520	0.5520	1.0000e-005	1.0000e-005	0.5566
Total	**2.0000e-004**	**1.6000e-004**	**2.1400e-003**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**6.9000e-004**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5520**	**0.5520**	**1.0000e-005**	**1.0000e-005**	**0.5566**

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	9.5000e-004	0.0156	0.0391	5.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.5355	4.5355	1.4700e-003	0.0000	4.5722
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.5000e-004**	**0.0156**	**0.0391**	**5.0000e-005**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**4.5355**	**4.5355**	**1.4700e-003**	**0.0000**	**4.5722**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	2.0000e-004	1.6000e-004	2.1400e-003	1.0000e-005	6.8000e-004	0.0000	6.9000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5520	0.5520	1.0000e-005	1.0000e-005	0.5566
Total	**2.0000e-004**	**1.6000e-004**	**2.1400e-003**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**6.9000e-004**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5520**	**0.5520**	**1.0000e-005**	**1.0000e-005**	**0.5566**

3.6 Utilities Trenching - 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	0.0119	0.1071	0.1263	2.6000e-004		4.8700e-003	4.8700e-003		4.6200e-003	4.6200e-003	0.0000	22.1678	22.1678	5.3000e-003	0.0000	22.3004
Total	**0.0119**	**0.1071**	**0.1263**	**2.6000e-004**		**4.8700e-003**	**4.8700e-003**		**4.6200e-003**	**4.6200e-003**	**0.0000**	**22.1678**	**22.1678**	**5.3000e-003**	**0.0000**	**22.3004**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Utilities Trenching - 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	4.7000e-004	3.7000e-004	5.0700e-003	1.0000e-005	1.6300e-003	1.0000e-005	1.6400e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.3115	1.3115	3.0000e-005	3.0000e-005	1.3224
Total	**4.7000e-004**	**3.7000e-004**	**5.0700e-003**	**1.0000e-005**	**1.6300e-003**	**1.0000e-005**	**1.6400e-003**	**4.3000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.3115**	**1.3115**	**3.0000e-005**	**3.0000e-005**	**1.3224**

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	2.8600e-003	0.0156	0.1335	2.2000e-004		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	19.2217	19.2217	5.1500e-003	0.0000	19.3505
Total	**2.8600e-003**	**0.0156**	**0.1335**	**2.2000e-004**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**	**0.0000**	**19.2217**	**19.2217**	**5.1500e-003**	**0.0000**	**19.3505**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Utilities Trenching - 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	4.7000e-004	3.7000e-004	5.0700e-003	1.0000e-005	1.6300e-003	1.0000e-005	1.6400e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.3115	1.3115	3.0000e-005	3.0000e-005	1.3224
Total	**4.7000e-004**	**3.7000e-004**	**5.0700e-003**	**1.0000e-005**	**1.6300e-003**	**1.0000e-005**	**1.6400e-003**	**4.3000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.3115**	**1.3115**	**3.0000e-005**	**3.0000e-005**	**1.3224**

3.7 Architectural Coating - 2024

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	0.1254					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0313	0.2071	0.2454	4.5000e-004		9.3800e-003	9.3800e-003		9.3800e-003	9.3800e-003	0.0000	35.1847	35.1847	2.5100e-003	0.0000	35.2476
Total	**0.1567**	**0.2071**	**0.2454**	**4.5000e-004**		**9.3800e-003**	**9.3800e-003**		**9.3800e-003**	**9.3800e-003**	**0.0000**	**35.1847**	**35.1847**	**2.5100e-003**	**0.0000**	**35.2476**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

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	1.9100e-003	1.4500e-003	0.0205	6.0000e-005	7.0600e-003	4.0000e-005	7.1000e-003	1.8700e-003	4.0000e-005	1.9100e-003	0.0000	5.5708	5.5708	1.4000e-004	1.4000e-004	5.6147
Total	**1.9100e-003**	**1.4500e-003**	**0.0205**	**6.0000e-005**	**7.0600e-003**	**4.0000e-005**	**7.1000e-003**	**1.8700e-003**	**4.0000e-005**	**1.9100e-003**	**0.0000**	**5.5708**	**5.5708**	**1.4000e-004**	**1.4000e-004**	**5.6147**

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	0.1254					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5100e-003	0.0319	0.1682	3.2000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	26.7524	26.7524	1.6400e-003	0.0000	26.7934
Total	**0.1309**	**0.0319**	**0.1682**	**3.2000e-004**		**1.4100e-003**	**1.4100e-003**		**1.4100e-003**	**1.4100e-003**	**0.0000**	**26.7524**	**26.7524**	**1.6400e-003**	**0.0000**	**26.7934**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

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	1.9100e-003	1.4500e-003	0.0205	6.0000e-005	7.0600e-003	4.0000e-005	7.1000e-003	1.8700e-003	4.0000e-005	1.9100e-003	0.0000	5.5708	5.5708	1.4000e-004	1.4000e-004	5.6147
Total	**1.9100e-003**	**1.4500e-003**	**0.0205**	**6.0000e-005**	**7.0600e-003**	**4.0000e-005**	**7.1000e-003**	**1.8700e-003**	**4.0000e-005**	**1.9100e-003**	**0.0000**	**5.5708**	**5.5708**	**1.4000e-004**	**1.4000e-004**	**5.6147**

3.7 Architectural Coating - 2025

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	0.0279					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7700e-003	0.0446	0.0547	1.0000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	7.8401	7.8401	5.5000e-004	0.0000	7.8538
Total	**0.0347**	**0.0446**	**0.0547**	**1.0000e-004**		**1.8900e-003**	**1.8900e-003**		**1.8900e-003**	**1.8900e-003**	**0.0000**	**7.8401**	**7.8401**	**5.5000e-004**	**0.0000**	**7.8538**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

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	4.0000e-004	2.9000e-004	4.2600e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2111	1.2111	3.0000e-005	3.0000e-005	1.2202
Total	**4.0000e-004**	**2.9000e-004**	**4.2600e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2111**	**1.2111**	**3.0000e-005**	**3.0000e-005**	**1.2202**

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	0.0279					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1900e-003	6.8100e-003	0.0375	7.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	5.9611	5.9611	3.5000e-004	0.0000	5.9700
Total	**0.0291**	**6.8100e-003**	**0.0375**	**7.0000e-005**		**2.8000e-004**	**2.8000e-004**		**2.8000e-004**	**2.8000e-004**	**0.0000**	**5.9611**	**5.9611**	**3.5000e-004**	**0.0000**	**5.9700**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

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	4.0000e-004	2.9000e-004	4.2600e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2111	1.2111	3.0000e-005	3.0000e-005	1.2202
Total	**4.0000e-004**	**2.9000e-004**	**4.2600e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2111**	**1.2111**	**3.0000e-005**	**3.0000e-005**	**1.2202**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Total	0.00	0.00	0.00		

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.1844	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Unmitigated	0.1844	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1698					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	0.0145	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Total	**0.1844**	**5.5800e-003**	**0.4842**	**3.0000e-005**		**2.6900e-003**	**2.6900e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**0.7917**	**0.7917**	**7.6000e-004**	**0.0000**	**0.8107**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1698					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	0.0145	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Total	**0.1844**	**5.5800e-003**	**0.4842**	**3.0000e-005**		**2.6900e-003**	**2.6900e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**0.7917**	**0.7917**	**7.6000e-004**	**0.0000**	**0.8107**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Phase 1

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.00	1000sqft	0.00	32,000.00	0
Enclosed Parking with Elevator	587.00	Space	0.00	235,305.00	0
City Park	1.50	Acre	1.50	65,340.00	0
Apartments Mid Rise	343.00	Dwelling Unit	5.81	343,000.00	981
Condo/Townhouse	32.00	Dwelling Unit	0.00	32,000.00	92

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - see Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - Just architectural coating emissions for Phase 1 B as equipment and timing would be the same for Scenario B just different number of units and sqft of comm/retail

Grading - See Assumptions

Demolition - See Assumptions

Trips and VMT - See assumptions

Architectural Coating - See Assumptions - P1B is architectural coating areas for Scenario B.

Vehicle Trips - Operational modeled separately

Road Dust - Operational modeled separately

Woodstoves - Operational modeled separately

Consumer Products - Operational modeled separately

Area Coating - Operational modeled separately

Landscape Equipment - Operational modeled separately

Energy Use - Operational modeled separately

Water And Wastewater - Operational modeled separately

Solid Waste - Operational modeled separately

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	36,487.00	44,085.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	109,461.00	132,254.00
tblArchitecturalCoating	ConstArea_Parking	14,118.00	17,280.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	253,125.00	303,750.00
tblArchitecturalCoating	ConstArea_Residential_Interior	759,375.00	911,250.00
tblAreaCoating	ReapplicationRatePercent	10	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	28.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	121.00
tblConstructionPhase	NumDays	20.00	121.00
tblConstructionPhase	NumDays	230.00	1,395.00
tblConstructionPhase	NumDays	20.00	698.00
tblConstructionPhase	NumDays	20.00	698.00
tblConstructionPhase	NumDays	10.00	61.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	NT24NG	4,831.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	T24E	35.05	0.00
tblEnergyUse	T24E	39.19	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	4.11	0.00
tblEnergyUse	T24NG	4,179.80	0.00
tblEnergyUse	T24NG	12,162.60	0.00
tblEnergyUse	T24NG	9.92	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	291.55	0.00
tblFireplaces	NumberGas	27.20	0.00
tblFireplaces	NumberNoFireplace	34.30	0.00
tblFireplaces	NumberNoFireplace	3.20	0.00
tblFireplaces	NumberWood	17.15	0.00
tblFireplaces	NumberWood	1.60	0.00
tblGrading	MaterialImported	0.00	135,881.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	234,800.00	235,305.00
tblLandUse	LotAcreage	0.73	0.00
tblLandUse	LotAcreage	5.28	0.00
tblLandUse	LotAcreage	9.03	5.81
tblLandUse	LotAcreage	2.00	0.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.46	0.46

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pressure Washers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	12.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	8.00
tblSolidWaste	SolidWasteGenerationRate	157.78	0.00
tblSolidWaste	SolidWasteGenerationRate	0.13	0.00
tblSolidWaste	SolidWasteGenerationRate	14.72	0.00
tblSolidWaste	SolidWasteGenerationRate	29.76	0.00
tblTripsAndVMT	WorkerTripNumber	407.00	504.00
tblTripsAndVMT	WorkerTripNumber	81.00	101.00
tblTripsAndVMT	WorkerTripNumber	81.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	140.00	60.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	SU_TR	2.19	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	WD_TR	5.44	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblWater	IndoorWaterUseRate	22,347,830.79	0.00
tblWater	IndoorWaterUseRate	2,084,928.82	0.00
tblWater	IndoorWaterUseRate	5,687,479.94	0.00
tblWater	OutdoorWaterUseRate	14,088,849.84	0.00
tblWater	OutdoorWaterUseRate	1,787,222.02	0.00
tblWater	OutdoorWaterUseRate	1,314,411.65	0.00
tblWater	OutdoorWaterUseRate	3,485,874.80	0.00
tblWoodstoves	NumberCatalytic	17.15	0.00
tblWoodstoves	NumberCatalytic	1.60	0.00
tblWoodstoves	NumberNoncatalytic	17.15	0.00
tblWoodstoves	NumberNoncatalytic	1.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	0.9409	8.3429	11.5157	0.0226	0.4111	0.3534	0.7645	0.0809	0.3359	0.4168	0.0000	1,993.2853	1,993.2853	0.3735	0.0462	2,016.3891
2025	1.0694	8.8470	12.7038	0.0273	0.5505	0.3491	0.8996	0.1270	0.3313	0.4583	0.0000	2,397.3103	2,397.3103	0.4594	0.0387	2,420.3288
2026	0.5684	4.1032	5.9005	0.0154	0.7989	0.1514	0.9503	0.2140	0.1429	0.3568	0.0000	1,385.8881	1,385.8881	0.1761	0.0431	1,403.1257
2027	0.5584	4.0891	5.7965	0.0152	0.7989	0.1512	0.9500	0.2140	0.1426	0.3566	0.0000	1,367.1851	1,367.1851	0.1751	0.0419	1,384.0376
2028	1.5811	4.8720	6.8938	0.0176	0.8971	0.1846	1.0817	0.2401	0.1761	0.4161	0.0000	1,554.6871	1,554.6871	0.1848	0.0422	1,571.8731
2029	2.0133	5.2203	7.3381	0.0185	0.9433	0.1995	1.1428	0.2523	0.1910	0.4433	0.0000	1,631.5837	1,631.5837	0.1894	0.0419	1,648.8031
2030	1.9235	3.4808	7.0395	0.0189	0.9149	0.0850	1.0000	0.2448	0.0846	0.3294	0.0000	1,654.6520	1,654.6520	0.0586	0.0397	1,667.9327
Maximum	**2.0133**	**8.8470**	**12.7038**	**0.0273**	**0.9433**	**0.3534**	**1.1428**	**0.2523**	**0.3359**	**0.4583**	**0.0000**	**2,397.3103**	**2,397.3103**	**0.4594**	**0.0462**	**2,420.3288**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

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					
2024	0.2276	1.7146	10.6628	0.0190	0.2982	0.0285	0.3266	0.0669	0.0282	0.0951	0.0000	1,700.8350	1,700.8350	0.3577	0.0462	1,723.5423
2025	0.3296	1.8870	12.8401	0.0239	0.4800	0.0344	0.5143	0.1194	0.0341	0.1535	0.0000	2,124.3728	2,124.3728	0.4451	0.0387	2,147.0336
2026	0.2757	1.3088	6.3250	0.0151	0.7989	0.0173	0.8162	0.2140	0.0169	0.2309	0.0000	1,361.9653	1,361.9653	0.1736	0.0431	1,379.1409
2027	0.2657	1.2947	6.2210	0.0149	0.7989	0.0171	0.8160	0.2140	0.0167	0.2307	0.0000	1,343.2623	1,343.2623	0.1727	0.0419	1,360.0528
2028	1.1797	1.3391	7.0116	0.0167	0.8971	0.0187	0.9158	0.2401	0.0183	0.2583	0.0000	1,497.3101	1,497.3101	0.1789	0.0422	1,514.3471
2029	1.5638	1.3575	7.3275	0.0174	0.9433	0.0193	0.9626	0.2523	0.0189	0.2712	0.0000	1,559.8167	1,559.8167	0.1820	0.0419	1,576.8499
2030	1.5112	1.3053	7.0314	0.0178	0.9149	0.0185	0.9334	0.2448	0.0181	0.2628	0.0000	1,584.9013	1,584.9013	0.0513	0.0397	1,598.0011
Maximum	**1.5638**	**1.8870**	**12.8401**	**0.0239**	**0.9433**	**0.0344**	**0.9626**	**0.2523**	**0.0341**	**0.2712**	**0.0000**	**2,124.3728**	**2,124.3728**	**0.4451**	**0.0462**	**2,147.0336**

	ROG	NOx	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	**38.15**	**73.80**	**-0.40**	**7.93**	**3.45**	**89.58**	**22.15**	**1.58**	**89.23**	**45.90**	**0.00**	**6.78**	**6.78**	**3.45**	**0.00**	**6.72**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2024**	**3-31-2024**	2.0408	0.3744
2	**4-1-2024**	**6-30-2024**	1.8128	0.3236
3	**7-1-2024**	**9-30-2024**	1.2594	0.2365
4	**10-1-2024**	**12-31-2024**	4.1484	0.9946

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	**1-1-2025**	**3-31-2025**	3.4271	0.7929
6	**4-1-2025**	**6-30-2025**	2.8869	0.4953
7	**7-1-2025**	**9-30-2025**	2.3872	0.5100
8	**10-1-2025**	**12-31-2025**	1.1860	0.4087
9	**1-1-2026**	**3-31-2026**	1.1535	0.3931
10	**4-1-2026**	**6-30-2026**	1.1545	0.3857
11	**7-1-2026**	**9-30-2026**	1.1672	0.3899
12	**10-1-2026**	**12-31-2026**	1.1791	0.4019
13	**1-1-2027**	**3-31-2027**	1.1475	0.3871
14	**4-1-2027**	**6-30-2027**	1.1488	0.3800
15	**7-1-2027**	**9-30-2027**	1.1614	0.3841
16	**10-1-2027**	**12-31-2027**	1.1730	0.3957
17	**1-1-2028**	**3-31-2028**	1.1549	0.3861
18	**4-1-2028**	**6-30-2028**	1.6689	0.6553
19	**7-1-2028**	**9-30-2028**	1.8181	0.7323
20	**10-1-2028**	**12-31-2028**	1.8305	0.7448
21	**1-1-2029**	**3-31-2029**	1.7849	0.7228
22	**4-1-2029**	**6-30-2029**	1.7928	0.7188
23	**7-1-2029**	**9-30-2029**	1.8125	0.7267
24	**10-1-2029**	**12-31-2029**	1.8246	0.7388
25	**1-1-2030**	**3-31-2030**	1.3739	0.7174
26	**4-1-2030**	**6-30-2030**	1.3776	0.7138
27	**7-1-2030**	**9-30-2030**	1.3927	0.7216
		Highest	4.1484	0.9946

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.6342	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6342**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.6342	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6342**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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	Demolition	Demolition	1/1/2024	6/17/2024	5	121	
2	Grading	Grading	9/11/2024	2/26/2025	5	121	
3	Building Construction	Building Construction	8/15/2025	12/19/2030	5	1395	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	8/15/2025	9/11/2025	5	20	
5	Architectural Coating - P1A Equip & AC	Architectural Coating	4/19/2028	12/20/2030	5	698	
6	Architectural Coating - P1B just AC	Architectural Coating	4/19/2028	12/20/2030	5	698	
7	Site Preparation	Site Preparation	6/18/2024	9/10/2024	5	61	
8	Utilities Trenching	Trenching	2/27/2025	8/14/2025	5	121	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 242

Acres of Paving: 0

Residential Indoor: 759,375; Residential Outdoor: 253,125; Non-Residential Indoor: 109,461; Non-Residential Outdoor: 36,487; Striped Parking Area: 14,118 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Generator Sets	4	8.00	84	0.74
Paving	Signal Boards	4	8.00	6	0.82
Paving	Sweepers/Scrubbers	4	4.00	64	0.46
Architectural Coating - P1A Equip & AC	Cement and Mortar Mixers	8	8.00	9	0.56
Architectural Coating - P1A Equip & AC	Pressure Washers	4	8.00	13	0.30
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Building Construction	Cranes	4	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating - P1A Equip & AC	Air Compressors	4	6.00	78	0.48
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	12	8.00	97	0.37
Architectural Coating - P1B just AC	Air Compressors	0	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Demolition	Concrete/Industrial Saws	4	8.00	81	0.73
Demolition	Excavators	8	8.00	158	0.38
Demolition	Generator Sets	4	8.00	84	0.74
Demolition	Rubber Tired Loaders	4	8.00	203	0.36
Demolition	Sweepers/Scrubbers	4	4.00	64	0.46
Site Preparation	Trenchers	4	8.00	78	0.50
Grading	Plate Compactors	4	8.00	8	0.43
Grading	Air Compressors	8	8.00	78	0.48
Grading	Excavators	8	8.00	158	0.38
Grading	Generator Sets	4	8.00	84	0.74
Grading	Pumps	4	8.00	84	0.74
Grading	Rough Terrain Forklifts	4	8.00	100	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Sweepers/Scrubbers	4	4.00	64	0.46
Grading	Welders	8	8.00	46	0.45
Utilities Trenching	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Utilities Trenching	Concrete/Industrial Saws	4	8.00	81	0.73
Utilities Trenching	Air Compressors	4	8.00	78	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities Trenching	Excavators	4	8.00	158	0.38
Utilities Trenching	Generator Sets	4	8.00	84	0.74
Utilities Trenching	Rubber Tired Loaders	8	8.00	203	0.36
Utilities Trenching	Paving Equipment	4	8.00	132	0.36
Utilities Trenching	Rollers	4	8.00	80	0.38
Utilities Trenching	Signal Boards	8	8.00	6	0.82
Utilities Trenching	Surfacing Equipment	4	8.00	263	0.30
Utilities Trenching	Sweepers/Scrubbers	4	4.00	64	0.46
Building Construction	Cement and Mortar Mixers	4	8.00	9	0.56
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Rough Terrain Forklifts	4	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	4	4.00	64	0.46
Paving	Plate Compactors	4	8.00	8	0.43

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
Demolition	32	80.00	0.00	711.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	28	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	20	504.00	95.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - P1A Equip & AC	16	101.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	58	145.00	0.00	13,435.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - P1B just AC	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Trenching	56	60.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2024

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					0.0769	0.0000	0.0769	0.0117	0.0000	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3842	3.3395	5.0295	8.9500e-003		0.1499	0.1499		0.1422	0.1422	0.0000	779.9709	779.9709	0.1777	0.0000	784.4124
Total	**0.3842**	**3.3395**	**5.0295**	**8.9500e-003**	**0.0769**	**0.1499**	**0.2268**	**0.0117**	**0.1422**	**0.1538**	**0.0000**	**779.9709**	**779.9709**	**0.1777**	**0.0000**	**784.4124**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	7.4000e-004	0.0490	0.0127	2.0000e-004	6.1200e-003	3.0000e-004	6.4100e-003	1.6800e-003	2.8000e-004	1.9600e-003	0.0000	20.4417	20.4417	1.1500e-003	3.2500e-003	21.4383
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	0.0143	0.0109	0.1533	4.5000e-004	0.0530	3.1000e-004	0.0534	0.0141	2.9000e-004	0.0144	0.0000	41.0229	41.0229	1.0200e-003	1.0200e-003	41.3527
Total	**0.0151**	**0.0599**	**0.1660**	**6.5000e-004**	**0.0592**	**6.1000e-004**	**0.0598**	**0.0158**	**5.7000e-004**	**0.0163**	**0.0000**	**61.4647**	**61.4647**	**2.1700e-003**	**4.2700e-003**	**62.7910**

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					0.0346	0.0000	0.0346	5.2400e-003	0.0000	5.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0906	0.5309	4.8884	7.3600e-003		0.0116	0.0116		0.0116	0.0116	0.0000	643.1900	643.1900	0.1721	0.0000	647.4930
Total	**0.0906**	**0.5309**	**4.8884**	**7.3600e-003**	**0.0346**	**0.0116**	**0.0462**	**5.2400e-003**	**0.0116**	**0.0168**	**0.0000**	**643.1900**	**643.1900**	**0.1721**	**0.0000**	**647.4930**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

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	7.4000e-004	0.0490	0.0127	2.0000e-004	6.1200e-003	3.0000e-004	6.4100e-003	1.6800e-003	2.8000e-004	1.9600e-003	0.0000	20.4417	20.4417	1.1500e-003	3.2500e-003	21.4383
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	0.0143	0.0109	0.1533	4.5000e-004	0.0530	3.1000e-004	0.0534	0.0141	2.9000e-004	0.0144	0.0000	41.0229	41.0229	1.0200e-003	1.0200e-003	41.3527
Total	**0.0151**	**0.0599**	**0.1660**	**6.5000e-004**	**0.0592**	**6.1000e-004**	**0.0598**	**0.0158**	**5.7000e-004**	**0.0163**	**0.0000**	**61.4647**	**61.4647**	**2.1700e-003**	**4.2700e-003**	**62.7910**

3.3 Grading - 2024

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					0.1283	0.0000	0.1283	0.0139	0.0000	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4719	3.9314	5.6427	9.4000e-003		0.1722	0.1722		0.1647	0.1647	0.0000	805.9289	805.9289	0.1663	0.0000	810.0855
Total	**0.4719**	**3.9314**	**5.6427**	**9.4000e-003**	**0.1283**	**0.1722**	**0.3005**	**0.0139**	**0.1647**	**0.1786**	**0.0000**	**805.9289**	**805.9289**	**0.1663**	**0.0000**	**810.0855**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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	9.3100e-003	0.6123	0.1583	2.5600e-003	0.0764	3.6900e-003	0.0801	0.0210	3.5300e-003	0.0245	0.0000	255.3819	255.3819	0.0144	0.0406	267.8318
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	0.0172	0.0130	0.1838	5.4000e-004	0.0636	3.7000e-004	0.0639	0.0169	3.4000e-004	0.0172	0.0000	49.1597	49.1597	1.2200e-003	1.2200e-003	49.5549
Total	**0.0265**	**0.6254**	**0.3420**	**3.1000e-003**	**0.1400**	**4.0600e-003**	**0.1440**	**0.0379**	**3.8700e-003**	**0.0417**	**0.0000**	**304.5416**	**304.5416**	**0.0156**	**0.0418**	**317.3867**

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					0.0577	0.0000	0.0577	6.2400e-003	0.0000	6.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0886	0.4753	4.9366	7.4500e-003		0.0115	0.0115		0.0115	0.0115	0.0000	650.2596	650.2596	0.1559	0.0000	654.1581
Total	**0.0886**	**0.4753**	**4.9366**	**7.4500e-003**	**0.0577**	**0.0115**	**0.0692**	**6.2400e-003**	**0.0115**	**0.0177**	**0.0000**	**650.2596**	**650.2596**	**0.1559**	**0.0000**	**654.1581**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

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	9.3100e-003	0.6123	0.1583	2.5600e-003	0.0764	3.6900e-003	0.0801	0.0210	3.5300e-003	0.0245	0.0000	255.3819	255.3819	0.0144	0.0406	267.8318
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	0.0172	0.0130	0.1838	5.4000e-004	0.0636	3.7000e-004	0.0639	0.0169	3.4000e-004	0.0172	0.0000	49.1597	49.1597	1.2200e-003	1.2200e-003	49.5549
Total	**0.0265**	**0.6254**	**0.3420**	**3.1000e-003**	**0.1400**	**4.0600e-003**	**0.1440**	**0.0379**	**3.8700e-003**	**0.0417**	**0.0000**	**304.5416**	**304.5416**	**0.0156**	**0.0418**	**317.3867**

3.3 Grading - 2025

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					0.1283	0.0000	0.1283	0.0139	0.0000	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2241	1.8441	2.8615	4.8200e-003		0.0747	0.0747		0.0715	0.0715	0.0000	413.0770	413.0770	0.0846	0.0000	415.1915
Total	**0.2241**	**1.8441**	**2.8615**	**4.8200e-003**	**0.1283**	**0.0747**	**0.2030**	**0.0139**	**0.0715**	**0.0854**	**0.0000**	**413.0770**	**413.0770**	**0.0846**	**0.0000**	**415.1915**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2025

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	4.7300e-003	0.3118	0.0822	1.2900e-003	0.0392	1.8900e-003	0.0411	0.0108	1.8100e-003	0.0126	0.0000	128.5526	128.5526	7.4600e-003	0.0204	134.8276
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	8.2300e-003	6.0000e-003	0.0876	2.7000e-004	0.0326	1.8000e-004	0.0328	8.6500e-003	1.7000e-004	8.8200e-003	0.0000	24.3382	24.3382	5.6000e-004	5.9000e-004	24.5269
Total	**0.0130**	**0.3178**	**0.1698**	**1.5600e-003**	**0.0717**	**2.0700e-003**	**0.0738**	**0.0194**	**1.9800e-003**	**0.0214**	**0.0000**	**152.8909**	**152.8909**	**8.0200e-003**	**0.0210**	**159.3544**

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					0.0577	0.0000	0.0577	6.2400e-003	0.0000	6.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0454	0.2436	2.5300	3.8200e-003		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	333.2965	333.2965	0.0797	0.0000	335.2882
Total	**0.0454**	**0.2436**	**2.5300**	**3.8200e-003**	**0.0577**	**5.8900e-003**	**0.0636**	**6.2400e-003**	**5.8900e-003**	**0.0121**	**0.0000**	**333.2965**	**333.2965**	**0.0797**	**0.0000**	**335.2882**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2025

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	4.7300e-003	0.3118	0.0822	1.2900e-003	0.0392	1.8900e-003	0.0411	0.0108	1.8100e-003	0.0126	0.0000	128.5526	128.5526	7.4600e-003	0.0204	134.8276
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	8.2300e-003	6.0000e-003	0.0876	2.7000e-004	0.0326	1.8000e-004	0.0328	8.6500e-003	1.7000e-004	8.8200e-003	0.0000	24.3382	24.3382	5.6000e-004	5.9000e-004	24.5269
Total	**0.0130**	**0.3178**	**0.1698**	**1.5600e-003**	**0.0717**	**2.0700e-003**	**0.0738**	**0.0194**	**1.9800e-003**	**0.0214**	**0.0000**	**152.8909**	**152.8909**	**8.0200e-003**	**0.0210**	**159.3544**

3.4 Building Construction - 2025

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	0.1457	1.3232	1.4809	2.8600e-003		0.0551	0.0551		0.0520	0.0520	0.0000	246.4512	246.4512	0.0596	0.0000	247.9410
Total	**0.1457**	**1.3232**	**1.4809**	**2.8600e-003**		**0.0551**	**0.0551**		**0.0520**	**0.0520**	**0.0000**	**246.4512**	**246.4512**	**0.0596**	**0.0000**	**247.9410**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

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	5.0000e-003	0.1890	0.0682	8.5000e-004	0.0296	9.2000e-004	0.0306	8.5500e-003	8.8000e-004	9.4300e-003	0.0000	82.7039	82.7039	2.8900e-003	0.0119	86.3287
Worker	0.0691	0.0503	0.7355	2.2300e-003	0.2734	1.5300e-003	0.2749	0.0726	1.4100e-003	0.0740	0.0000	204.2692	204.2692	4.7300e-003	4.9200e-003	205.8523
Total	**0.0741**	**0.2393**	**0.8037**	**3.0800e-003**	**0.3030**	**2.4500e-003**	**0.3055**	**0.0812**	**2.2900e-003**	**0.0835**	**0.0000**	**286.9731**	**286.9731**	**7.6200e-003**	**0.0168**	**292.1811**

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	0.0347	0.2632	1.6419	2.7200e-003		4.2100e-003	4.2100e-003		4.2100e-003	4.2100e-003	0.0000	237.3771	237.3771	0.0587	0.0000	238.8433
Total	**0.0347**	**0.2632**	**1.6419**	**2.7200e-003**		**4.2100e-003**	**4.2100e-003**		**4.2100e-003**	**4.2100e-003**	**0.0000**	**237.3771**	**237.3771**	**0.0587**	**0.0000**	**238.8433**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

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	5.0000e-003	0.1890	0.0682	8.5000e-004	0.0296	9.2000e-004	0.0306	8.5500e-003	8.8000e-004	9.4300e-003	0.0000	82.7039	82.7039	2.8900e-003	0.0119	86.3287
Worker	0.0691	0.0503	0.7355	2.2300e-003	0.2734	1.5300e-003	0.2749	0.0726	1.4100e-003	0.0740	0.0000	204.2692	204.2692	4.7300e-003	4.9200e-003	205.8523
Total	**0.0741**	**0.2393**	**0.8037**	**3.0800e-003**	**0.3030**	**2.4500e-003**	**0.3055**	**0.0812**	**2.2900e-003**	**0.0835**	**0.0000**	**286.9731**	**286.9731**	**7.6200e-003**	**0.0168**	**292.1811**

3.4 Building Construction - 2026

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	0.3840	3.4884	3.9041	7.5400e-003		0.1452	0.1452		0.1370	0.1370	0.0000	649.7350	649.7350	0.1571	0.0000	653.6626
Total	**0.3840**	**3.4884**	**3.9041**	**7.5400e-003**		**0.1452**	**0.1452**		**0.1370**	**0.1370**	**0.0000**	**649.7350**	**649.7350**	**0.1571**	**0.0000**	**653.6626**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

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	0.0128	0.4946	0.1772	2.1900e-003	0.0781	2.4100e-003	0.0806	0.0226	2.3100e-003	0.0249	0.0000	213.9933	213.9933	7.6600e-003	0.0309	223.3818
Worker	0.1715	0.1203	1.8192	5.6900e-003	0.7207	3.8200e-003	0.7246	0.1914	3.5200e-003	0.1949	0.0000	522.1598	522.1598	0.0113	0.0122	526.0814
Total	**0.1844**	**0.6149**	**1.9964**	**7.8800e-003**	**0.7989**	**6.2300e-003**	**0.8051**	**0.2140**	**5.8300e-003**	**0.2198**	**0.0000**	**736.1531**	**736.1531**	**0.0190**	**0.0431**	**749.4631**

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	0.0914	0.6939	4.3286	7.1700e-003		0.0111	0.0111		0.0111	0.0111	0.0000	625.8122	625.8122	0.1546	0.0000	629.6777
Total	**0.0914**	**0.6939**	**4.3286**	**7.1700e-003**		**0.0111**	**0.0111**		**0.0111**	**0.0111**	**0.0000**	**625.8122**	**625.8122**	**0.1546**	**0.0000**	**629.6777**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2026

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	0.0128	0.4946	0.1772	2.1900e-003	0.0781	2.4100e-003	0.0806	0.0226	2.3100e-003	0.0249	0.0000	213.9933	213.9933	7.6600e-003	0.0309	223.3818
Worker	0.1715	0.1203	1.8192	5.6900e-003	0.7207	3.8200e-003	0.7246	0.1914	3.5200e-003	0.1949	0.0000	522.1598	522.1598	0.0113	0.0122	526.0814
Total	**0.1844**	**0.6149**	**1.9964**	**7.8800e-003**	**0.7989**	**6.2300e-003**	**0.8051**	**0.2140**	**5.8300e-003**	**0.2198**	**0.0000**	**736.1531**	**736.1531**	**0.0190**	**0.0431**	**749.4631**

3.4 Building Construction - 2027

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	0.3840	3.4884	3.9041	7.5400e-003		0.1452	0.1452		0.1370	0.1370	0.0000	649.7350	649.7350	0.1571	0.0000	653.6626
Total	**0.3840**	**3.4884**	**3.9041**	**7.5400e-003**		**0.1452**	**0.1452**		**0.1370**	**0.1370**	**0.0000**	**649.7350**	**649.7350**	**0.1571**	**0.0000**	**653.6626**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

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	0.0125	0.4909	0.1751	2.1400e-003	0.0781	2.4000e-003	0.0805	0.0226	2.3000e-003	0.0249	0.0000	209.7843	209.7843	7.6800e-003	0.0303	218.9989
Worker	0.1618	0.1099	1.7173	5.5400e-003	0.7207	3.5800e-003	0.7243	0.1914	3.3000e-003	0.1947	0.0000	507.6658	507.6658	0.0104	0.0116	511.3761
Total	**0.1744**	**0.6008**	**1.8924**	**7.6800e-003**	**0.7989**	**5.9800e-003**	**0.8049**	**0.2140**	**5.6000e-003**	**0.2196**	**0.0000**	**717.4501**	**717.4501**	**0.0180**	**0.0419**	**730.3750**

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	0.0914	0.6939	4.3286	7.1700e-003		0.0111	0.0111		0.0111	0.0111	0.0000	625.8122	625.8122	0.1546	0.0000	629.6777
Total	**0.0914**	**0.6939**	**4.3286**	**7.1700e-003**		**0.0111**	**0.0111**		**0.0111**	**0.0111**	**0.0000**	**625.8122**	**625.8122**	**0.1546**	**0.0000**	**629.6777**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2027

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	0.0125	0.4909	0.1751	2.1400e-003	0.0781	2.4000e-003	0.0805	0.0226	2.3000e-003	0.0249	0.0000	209.7843	209.7843	7.6800e-003	0.0303	218.9989
Worker	0.1618	0.1099	1.7173	5.5400e-003	0.7207	3.5800e-003	0.7243	0.1914	3.3000e-003	0.1947	0.0000	507.6658	507.6658	0.0104	0.0116	511.3761
Total	**0.1744**	**0.6008**	**1.8924**	**7.6800e-003**	**0.7989**	**5.9800e-003**	**0.8049**	**0.2140**	**5.6000e-003**	**0.2196**	**0.0000**	**717.4501**	**717.4501**	**0.0180**	**0.0419**	**730.3750**

3.4 Building Construction - 2028

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	0.3825	3.4750	3.8891	7.5100e-003		0.1446	0.1446		0.1365	0.1365	0.0000	647.2456	647.2456	0.1565	0.0000	651.1582
Total	**0.3825**	**3.4750**	**3.8891**	**7.5100e-003**		**0.1446**	**0.1446**		**0.1365**	**0.1365**	**0.0000**	**647.2456**	**647.2456**	**0.1565**	**0.0000**	**651.1582**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2028

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	0.0123	0.4858	0.1730	2.0900e-003	0.0778	2.3800e-003	0.0802	0.0225	2.2800e-003	0.0247	0.0000	204.9867	204.9867	7.7000e-003	0.0296	213.9982
Worker	0.1524	0.1008	1.6266	5.3800e-003	0.7180	3.3300e-003	0.7213	0.1907	3.0600e-003	0.1938	0.0000	492.9509	492.9509	9.4900e-003	0.0110	496.4709
Total	**0.1647**	**0.5865**	**1.7996**	**7.4700e-003**	**0.7958**	**5.7100e-003**	**0.8015**	**0.2132**	**5.3400e-003**	**0.2185**	**0.0000**	**697.9376**	**697.9376**	**0.0172**	**0.0406**	**710.4691**

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	0.0910	0.6913	4.3120	7.1400e-003		0.0111	0.0111		0.0111	0.0111	0.0000	623.4145	623.4145	0.1540	0.0000	627.2652
Total	**0.0910**	**0.6913**	**4.3120**	**7.1400e-003**		**0.0111**	**0.0111**		**0.0111**	**0.0111**	**0.0000**	**623.4145**	**623.4145**	**0.1540**	**0.0000**	**627.2652**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2028

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	0.0123	0.4858	0.1730	2.0900e-003	0.0778	2.3800e-003	0.0802	0.0225	2.2800e-003	0.0247	0.0000	204.9867	204.9867	7.7000e-003	0.0296	213.9982
Worker	0.1524	0.1008	1.6266	5.3800e-003	0.7180	3.3300e-003	0.7213	0.1907	3.0600e-003	0.1938	0.0000	492.9509	492.9509	9.4900e-003	0.0110	496.4709
Total	**0.1647**	**0.5865**	**1.7996**	**7.4700e-003**	**0.7958**	**5.7100e-003**	**0.8015**	**0.2132**	**5.3400e-003**	**0.2185**	**0.0000**	**697.9376**	**697.9376**	**0.0172**	**0.0406**	**710.4691**

3.4 Building Construction - 2029

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	0.3840	3.4884	3.9041	7.5400e-003		0.1452	0.1452		0.1370	0.1370	0.0000	649.7350	649.7350	0.1571	0.0000	653.6626
Total	**0.3840**	**3.4884**	**3.9041**	**7.5400e-003**		**0.1452**	**0.1452**		**0.1370**	**0.1370**	**0.0000**	**649.7350**	**649.7350**	**0.1571**	**0.0000**	**653.6626**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2029

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	0.0121	0.4842	0.1725	2.0600e-003	0.0781	2.3700e-003	0.0805	0.0226	2.2700e-003	0.0248	0.0000	201.9224	201.9224	7.7900e-003	0.0292	210.8067
Worker	0.1443	0.0934	1.5577	5.2700e-003	0.7207	3.1100e-003	0.7238	0.1914	2.8600e-003	0.1943	0.0000	483.4162	483.4162	8.7800e-003	0.0106	486.7964
Total	**0.1564**	**0.5776**	**1.7302**	**7.3300e-003**	**0.7989**	**5.4800e-003**	**0.8044**	**0.2140**	**5.1300e-003**	**0.2191**	**0.0000**	**685.3386**	**685.3386**	**0.0166**	**0.0398**	**697.6032**

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	0.0914	0.6939	4.3286	7.1700e-003		0.0111	0.0111		0.0111	0.0111	0.0000	625.8122	625.8122	0.1546	0.0000	629.6777
Total	**0.0914**	**0.6939**	**4.3286**	**7.1700e-003**		**0.0111**	**0.0111**		**0.0111**	**0.0111**	**0.0000**	**625.8122**	**625.8122**	**0.1546**	**0.0000**	**629.6777**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2029

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	0.0121	0.4842	0.1725	2.0600e-003	0.0781	2.3700e-003	0.0805	0.0226	2.2700e-003	0.0248	0.0000	201.9224	201.9224	7.7900e-003	0.0292	210.8067
Worker	0.1443	0.0934	1.5577	5.2700e-003	0.7207	3.1100e-003	0.7238	0.1914	2.8600e-003	0.1943	0.0000	483.4162	483.4162	8.7800e-003	0.0106	486.7964
Total	**0.1564**	**0.5776**	**1.7302**	**7.3300e-003**	**0.7989**	**5.4800e-003**	**0.8044**	**0.2140**	**5.1300e-003**	**0.2191**	**0.0000**	**685.3386**	**685.3386**	**0.0166**	**0.0398**	**697.6032**

3.4 Building Construction - 2030

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	0.3692	1.9589	3.7871	8.4400e-003		0.0487	0.0487		0.0487	0.0487	0.0000	717.1750	717.1750	0.0297	0.0000	717.9180
Total	**0.3692**	**1.9589**	**3.7871**	**8.4400e-003**		**0.0487**	**0.0487**		**0.0487**	**0.0487**	**0.0000**	**717.1750**	**717.1750**	**0.0297**	**0.0000**	**717.9180**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2030

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	0.0116	0.4663	0.1665	1.9600e-003	0.0757	2.2800e-003	0.0780	0.0219	2.1900e-003	0.0241	0.0000	192.1706	192.1706	7.6000e-003	0.0278	200.6324
Worker	0.1319	0.0840	1.4471	5.0000e-003	0.6986	2.8200e-003	0.7015	0.1856	2.5900e-003	0.1882	0.0000	458.7335	458.7335	7.8800e-003	9.9000e-003	461.8820
Total	**0.1435**	**0.5504**	**1.6135**	**6.9600e-003**	**0.7744**	**5.1000e-003**	**0.7795**	**0.2074**	**4.7800e-003**	**0.2122**	**0.0000**	**650.9041**	**650.9041**	**0.0155**	**0.0377**	**662.5143**

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	0.0886	0.6727	4.1959	8.0800e-003		0.0108	0.0108		0.0108	0.0108	0.0000	693.9853	693.9853	0.0273	0.0000	694.6682
Total	**0.0886**	**0.6727**	**4.1959**	**8.0800e-003**		**0.0108**	**0.0108**		**0.0108**	**0.0108**	**0.0000**	**693.9853**	**693.9853**	**0.0273**	**0.0000**	**694.6682**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2030

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	0.0116	0.4663	0.1665	1.9600e-003	0.0757	2.2800e-003	0.0780	0.0219	2.1900e-003	0.0241	0.0000	192.1706	192.1706	7.6000e-003	0.0278	200.6324
Worker	0.1319	0.0840	1.4471	5.0000e-003	0.6986	2.8200e-003	0.7015	0.1856	2.5900e-003	0.1882	0.0000	458.7335	458.7335	7.8800e-003	9.9000e-003	461.8820
Total	**0.1435**	**0.5504**	**1.6135**	**6.9600e-003**	**0.7744**	**5.1000e-003**	**0.7795**	**0.2074**	**4.7800e-003**	**0.2122**	**0.0000**	**650.9041**	**650.9041**	**0.0155**	**0.0377**	**662.5143**

3.5 Paving - 2025

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	0.0360	0.3209	0.4961	8.2000e-004		0.0148	0.0148		0.0140	0.0140	0.0000	70.1113	70.1113	0.0155	0.0000	70.4995
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0360**	**0.3209**	**0.4961**	**8.2000e-004**		**0.0148**	**0.0148**		**0.0140**	**0.0140**	**0.0000**	**70.1113**	**70.1113**	**0.0155**	**0.0000**	**70.4995**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

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	1.9400e-003	1.4100e-003	0.0206	6.0000e-005	7.6700e-003	4.0000e-005	7.7100e-003	2.0400e-003	4.0000e-005	2.0800e-003	0.0000	5.7315	5.7315	1.3000e-004	1.4000e-004	5.7759
Total	**1.9400e-003**	**1.4100e-003**	**0.0206**	**6.0000e-005**	**7.6700e-003**	**4.0000e-005**	**7.7100e-003**	**2.0400e-003**	**4.0000e-005**	**2.0800e-003**	**0.0000**	**5.7315**	**5.7315**	**1.3000e-004**	**1.4000e-004**	**5.7759**

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	6.8400e-003	0.0525	0.3840	5.1000e-004		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	44.4623	44.4623	0.0144	0.0000	44.8218
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.8400e-003**	**0.0525**	**0.3840**	**5.1000e-004**		**8.3000e-004**	**8.3000e-004**		**8.3000e-004**	**8.3000e-004**	**0.0000**	**44.4623**	**44.4623**	**0.0144**	**0.0000**	**44.8218**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

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	1.9400e-003	1.4100e-003	0.0206	6.0000e-005	7.6700e-003	4.0000e-005	7.7100e-003	2.0400e-003	4.0000e-005	2.0800e-003	0.0000	5.7315	5.7315	1.3000e-004	1.4000e-004	5.7759
Total	**1.9400e-003**	**1.4100e-003**	**0.0206**	**6.0000e-005**	**7.6700e-003**	**4.0000e-005**	**7.7100e-003**	**2.0400e-003**	**4.0000e-005**	**2.0800e-003**	**0.0000**	**5.7315**	**5.7315**	**1.3000e-004**	**1.4000e-004**	**5.7759**

3.6 Architectural Coating - P1A Equip & AC - 2028

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	0.4049					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1208	0.7962	0.9758	1.8100e-003		0.0338	0.0338		0.0338	0.0338	0.0000	139.9740	139.9740	9.8100e-003	0.0000	140.2193
Total	**0.5257**	**0.7962**	**0.9758**	**1.8100e-003**		**0.0338**	**0.0338**		**0.0338**	**0.0338**	**0.0000**	**139.9740**	**139.9740**	**9.8100e-003**	**0.0000**	**140.2193**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - P1A Equip & AC - 2028

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	0.0215	0.0142	0.2294	7.6000e-004	0.1013	4.7000e-004	0.1017	0.0269	4.3000e-004	0.0273	0.0000	69.5300	69.5300	1.3400e-003	1.5500e-003	70.0265
Total	**0.0215**	**0.0142**	**0.2294**	**7.6000e-004**	**0.1013**	**4.7000e-004**	**0.1017**	**0.0269**	**4.3000e-004**	**0.0273**	**0.0000**	**69.5300**	**69.5300**	**1.3400e-003**	**1.5500e-003**	**70.0265**

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	0.4049					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0471	0.6707	1.2900e-003		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	106.4280	106.4280	6.3300e-003	0.0000	106.5863
Total	**0.4157**	**0.0471**	**0.6707**	**1.2900e-003**		**1.4500e-003**	**1.4500e-003**		**1.4500e-003**	**1.4500e-003**	**0.0000**	**106.4280**	**106.4280**	**6.3300e-003**	**0.0000**	**106.5863**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - P1A Equip & AC - 2028

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	0.0215	0.0142	0.2294	7.6000e-004	0.1013	4.7000e-004	0.1017	0.0269	4.3000e-004	0.0273	0.0000	69.5300	69.5300	1.3400e-003	1.5500e-003	70.0265
Total	**0.0215**	**0.0142**	**0.2294**	**7.6000e-004**	**0.1013**	**4.7000e-004**	**0.1017**	**0.0269**	**4.3000e-004**	**0.0273**	**0.0000**	**69.5300**	**69.5300**	**1.3400e-003**	**1.5500e-003**	**70.0265**

3.6 Architectural Coating - P1A Equip & AC - 2029

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	0.5774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1723	1.1356	1.3916	2.5800e-003		0.0482	0.0482		0.0482	0.0482	0.0000	199.6350	199.6350	0.0140	0.0000	199.9849
Total	**0.7497**	**1.1356**	**1.3916**	**2.5800e-003**		**0.0482**	**0.0482**		**0.0482**	**0.0482**	**0.0000**	**199.6350**	**199.6350**	**0.0140**	**0.0000**	**199.9849**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - P1A Equip & AC - 2029

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	0.0289	0.0187	0.3122	1.0600e-003	0.1444	6.2000e-004	0.1451	0.0384	5.7000e-004	0.0389	0.0000	96.8751	96.8751	1.7600e-003	2.1300e-003	97.5525
Total	**0.0289**	**0.0187**	**0.3122**	**1.0600e-003**	**0.1444**	**6.2000e-004**	**0.1451**	**0.0384**	**5.7000e-004**	**0.0389**	**0.0000**	**96.8751**	**96.8751**	**1.7600e-003**	**2.1300e-003**	**97.5525**

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	0.5774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0155	0.0672	0.9565	1.8400e-003		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	151.7908	151.7908	9.0300e-003	0.0000	152.0165
Total	**0.5929**	**0.0672**	**0.9565**	**1.8400e-003**		**2.0700e-003**	**2.0700e-003**		**2.0700e-003**	**2.0700e-003**	**0.0000**	**151.7908**	**151.7908**	**9.0300e-003**	**0.0000**	**152.0165**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - P1A Equip & AC - 2029

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	0.0289	0.0187	0.3122	1.0600e-003	0.1444	6.2000e-004	0.1451	0.0384	5.7000e-004	0.0389	0.0000	96.8751	96.8751	1.7600e-003	2.1300e-003	97.5525
Total	**0.0289**	**0.0187**	**0.3122**	**1.0600e-003**	**0.1444**	**6.2000e-004**	**0.1451**	**0.0384**	**5.7000e-004**	**0.0389**	**0.0000**	**96.8751**	**96.8751**	**1.7600e-003**	**2.1300e-003**	**97.5525**

3.6 Architectural Coating - P1A Equip & AC - 2030

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	0.5619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1468	0.9546	1.3478	2.5100e-003		0.0307	0.0307		0.0307	0.0307	0.0000	194.2808	194.2808	0.0118	0.0000	194.5749
Total	**0.7087**	**0.9546**	**1.3478**	**2.5100e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**194.2808**	**194.2808**	**0.0118**	**0.0000**	**194.5749**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - P1A Equip & AC - 2030

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	0.0265	0.0169	0.2911	1.0100e-003	0.1406	5.7000e-004	0.1411	0.0373	5.2000e-004	0.0379	0.0000	92.2921	92.2921	1.5800e-003	1.9900e-003	92.9255
Total	**0.0265**	**0.0169**	**0.2911**	**1.0100e-003**	**0.1406**	**5.7000e-004**	**0.1411**	**0.0373**	**5.2000e-004**	**0.0379**	**0.0000**	**92.2921**	**92.2921**	**1.5800e-003**	**1.9900e-003**	**92.9255**

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	0.5619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0151	0.0654	0.9309	1.7900e-003		2.0100e-003	2.0100e-003		2.0100e-003	2.0100e-003	0.0000	147.7198	147.7198	6.9300e-003	0.0000	147.8930
Total	**0.5770**	**0.0654**	**0.9309**	**1.7900e-003**		**2.0100e-003**	**2.0100e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**147.7198**	**147.7198**	**6.9300e-003**	**0.0000**	**147.8930**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - P1A Equip & AC - 2030

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	0.0265	0.0169	0.2911	1.0100e-003	0.1406	5.7000e-004	0.1411	0.0373	5.2000e-004	0.0379	0.0000	92.2921	92.2921	1.5800e-003	1.9900e-003	92.9255
Total	**0.0265**	**0.0169**	**0.2911**	**1.0100e-003**	**0.1406**	**5.7000e-004**	**0.1411**	**0.0373**	**5.2000e-004**	**0.0379**	**0.0000**	**92.2921**	**92.2921**	**1.5800e-003**	**1.9900e-003**	**92.9255**

3.7 Architectural Coating - P1B just AC - 2028

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	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.4868**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - P1B just AC - 2028

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.4868**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - P1B just AC - 2028

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - P1B just AC - 2029

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	0.6942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.6942**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - P1B just AC - 2029

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.6942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.6942**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - P1B just AC - 2029

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - P1B just AC - 2030

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	0.6756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.6756**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - P1B just AC - 2030

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.6756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.6756**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - P1B just AC - 2030

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.8 Site Preparation - 2024

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	0.0415	0.3855	0.3162	4.1000e-004		0.0267	0.0267		0.0245	0.0245	0.0000	36.2089	36.2089	0.0117	0.0000	36.5017
Total	**0.0415**	**0.3855**	**0.3162**	**4.1000e-004**	**0.0000**	**0.0267**	**0.0267**	**0.0000**	**0.0245**	**0.0245**	**0.0000**	**36.2089**	**36.2089**	**0.0117**	**0.0000**	**36.5017**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation - 2024

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	1.8100e-003	1.3700e-003	0.0193	6.0000e-005	6.6800e-003	4.0000e-005	6.7200e-003	1.7800e-003	4.0000e-005	1.8100e-003	0.0000	5.1703	5.1703	1.3000e-004	1.3000e-004	5.2118
Total	**1.8100e-003**	**1.3700e-003**	**0.0193**	**6.0000e-005**	**6.6800e-003**	**4.0000e-005**	**6.7200e-003**	**1.7800e-003**	**4.0000e-005**	**1.8100e-003**	**0.0000**	**5.1703**	**5.1703**	**1.3000e-004**	**1.3000e-004**	**5.2118**

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	5.0300e-003	0.0218	0.3105	4.1000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	36.2089	36.2089	0.0117	0.0000	36.5017
Total	**5.0300e-003**	**0.0218**	**0.3105**	**4.1000e-004**	**0.0000**	**6.7000e-004**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**6.7000e-004**	**0.0000**	**36.2089**	**36.2089**	**0.0117**	**0.0000**	**36.5017**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation - 2024

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	1.8100e-003	1.3700e-003	0.0193	6.0000e-005	6.6800e-003	4.0000e-005	6.7200e-003	1.7800e-003	4.0000e-005	1.8100e-003	0.0000	5.1703	5.1703	1.3000e-004	1.3000e-004	5.2118
Total	**1.8100e-003**	**1.3700e-003**	**0.0193**	**6.0000e-005**	**6.6800e-003**	**4.0000e-005**	**6.7200e-003**	**1.7800e-003**	**4.0000e-005**	**1.8100e-003**	**0.0000**	**5.1703**	**5.1703**	**1.3000e-004**	**1.3000e-004**	**5.2118**

3.9 Utilities Trenching - 2025

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	0.5646	4.7930	6.7641	0.0138		0.1997	0.1997		0.1893	0.1893	0.0000	1,192.3537	1,192.3537	0.2832	0.0000	1,199.4334
Total	**0.5646**	**4.7930**	**6.7641**	**0.0138**		**0.1997**	**0.1997**		**0.1893**	**0.1893**	**0.0000**	**1,192.3537**	**1,192.3537**	**0.2832**	**0.0000**	**1,199.4334**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Utilities Trenching - 2025

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	0.0101	7.3200e-003	0.1070	3.2000e-004	0.0398	2.2000e-004	0.0400	0.0106	2.0000e-004	0.0108	0.0000	29.7217	29.7217	6.9000e-004	7.2000e-004	29.9521
Total	**0.0101**	**7.3200e-003**	**0.1070**	**3.2000e-004**	**0.0398**	**2.2000e-004**	**0.0400**	**0.0106**	**2.0000e-004**	**0.0108**	**0.0000**	**29.7217**	**29.7217**	**6.9000e-004**	**7.2000e-004**	**29.9521**

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	0.1436	0.7618	7.1830	0.0118		0.0187	0.0187		0.0187	0.0187	0.0000	1,033.9198	1,033.9198	0.2759	0.0000	1,040.8169
Total	**0.1436**	**0.7618**	**7.1830**	**0.0118**		**0.0187**	**0.0187**		**0.0187**	**0.0187**	**0.0000**	**1,033.9198**	**1,033.9198**	**0.2759**	**0.0000**	**1,040.8169**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Utilities Trenching - 2025

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	0.0101	7.3200e-003	0.1070	3.2000e-004	0.0398	2.2000e-004	0.0400	0.0106	2.0000e-004	0.0108	0.0000	29.7217	29.7217	6.9000e-004	7.2000e-004	29.9521
Total	**0.0101**	**7.3200e-003**	**0.1070**	**3.2000e-004**	**0.0398**	**2.2000e-004**	**0.0400**	**0.0106**	**2.0000e-004**	**0.0108**	**0.0000**	**29.7217**	**29.7217**	**6.9000e-004**	**7.2000e-004**	**29.9521**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
City Park	0.00	0.00	0.00		
Condo/Townhouse	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		
Total	0.00	0.00	0.00		

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	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
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

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
City Park	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Condo/Townhouse	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194119	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	1.6342	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	1.6342	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6342					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	0.0000	0.0000	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	**1.6342**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6342					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	0.0000	0.0000	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	**1.6342**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Boilers

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	30.00	1000sqft	0.00	30,000.00	0
Enclosed Parking with Elevator	861.00	Space	0.00	344,400.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Apartments Mid Rise	600.00	Dwelling Unit	4.22	600,000.00	1452
Strip Mall	25.00	1000sqft	0.00	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See Assumptions - Architectural Coating for Phase 2B included as separate phase for AC emissions only. Construciton Equipment is Identical. Result Summaries will overestimate emissions for AC.

Off-road Equipment - ss

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions- Just modeling AC emissions for Phase 2B

Off-road Equipment - see Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - See Assumptions

Off-road Equipment - see assumptions

Off-road Equipment - see Assumptions

Off-road Equipment - see Assumptions

Off-road Equipment - see Assumptions

Trips and VMT - See Assumptions

Demolition - See Assumptions

Grading - see assumptions

Architectural Coating - See Assumptions - Modeles P2B AC coating emissions.

Vehicle Trips - operational emissions modeled separately

Woodstoves - operational emissions modeled separately

Consumer Products - operational emissions modeled separately

Area Coating - operational emissions modeled separately

Landscape Equipment - operational emissions modeled separately

Energy Use - operational emissions modeled separately

Water And Wastewater - operational emissions modeled separately

Solid Waste - operational emissions modeled separately

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	58,526.00	69,231.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	175,577.00	207,692.00
tblArchitecturalCoating	ConstArea_Parking	20,664.00	27,905.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	405,000.00	454,275.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,215,000.00	1,362,825.00
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical

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tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	28.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	76.00
tblConstructionPhase	NumDays	20.00	38.00
tblConstructionPhase	NumDays	45.00	76.00
tblConstructionPhase	NumDays	440.00	878.00
tblConstructionPhase	NumDays	35.00	20.00
tblConstructionPhase	NumDays	35.00	439.00
tblConstructionPhase	NumDays	35.00	439.00
tblEnergyUse	T24E	35.05	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	4.11	0.00
tblEnergyUse	T24E	3.58	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	510.00	0.00
tblFireplaces	NumberNoFireplace	60.00	0.00
tblFireplaces	NumberWood	30.00	0.00
tblGrading	MaterialExported	0.00	110,043.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	7.75	0.00
tblLandUse	LotAcreage	15.79	4.22
tblLandUse	LotAcreage	0.57	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	Population	1,716.00	1,452.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	12.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	276.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.15	0.00
tblSolidWaste	SolidWasteGenerationRate	27.90	0.00
tblSolidWaste	SolidWasteGenerationRate	26.25	0.00
tblTripsAndVMT	HaulingTripNumber	10,881.00	6,878.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblTripsAndVMT	VendorTripNumber	142.00	90.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	625.00	504.00
tblTripsAndVMT	WorkerTripNumber	125.00	101.00
tblTripsAndVMT	WorkerTripNumber	120.00	60.00
tblTripsAndVMT	WorkerTripNumber	125.00	0.00
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	5.44	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	39,092,415.37	0.00
tblWater	IndoorWaterUseRate	5,332,012.44	0.00
tblWater	IndoorWaterUseRate	1,851,813.04	0.00
tblWater	OutdoorWaterUseRate	24,645,218.39	0.00
tblWater	OutdoorWaterUseRate	2,025,518.29	0.00
tblWater	OutdoorWaterUseRate	3,268,007.62	0.00
tblWater	OutdoorWaterUseRate	1,134,982.18	0.00
tblWoodstoves	NumberCatalytic	30.00	0.00
tblWoodstoves	NumberNoncatalytic	30.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2031	1.0403	6.1183	13.2902	0.0277	0.3411	0.1468	0.4879	0.0700	0.1467	0.2167	0.0000	2,441.6886	2,441.6886	0.0953	0.0318	2,453.5365
2032	0.5881	2.9419	6.2904	0.0173	0.7919	0.0687	0.8606	0.2120	0.0684	0.2804	0.0000	1,567.8491	1,567.8491	0.0512	0.0354	1,579.6768
2033	0.5220	2.5883	5.5047	0.0158	0.7917	0.0564	0.8482	0.2120	0.0562	0.2681	0.0000	1,442.2056	1,442.2056	0.0460	0.0351	1,453.8076
2034	2.8670	3.3888	6.8510	0.0186	0.8935	0.0813	0.9748	0.2390	0.0810	0.3200	0.0000	1,675.8838	1,675.8838	0.0563	0.0358	1,687.9635
2035	3.4352	1.9315	4.0188	0.0100	0.4487	0.0422	0.4908	0.1198	0.0420	0.1619	0.0000	887.8956	887.8956	0.0307	0.0150	893.1300
Maximum	**3.4352**	**6.1183**	**13.2902**	**0.0277**	**0.8935**	**0.1468**	**0.9748**	**0.2390**	**0.1467**	**0.3200**	**0.0000**	**2,441.6886**	**2,441.6886**	**0.0953**	**0.0358**	**2,453.5365**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

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					
2031	0.3401	2.1972	11.9857	0.0238	0.2559	0.0448	0.3007	0.0590	0.0446	0.1037	0.0000	2,121.2778	2,121.2778	0.0831	0.0318	2,132.8187
2032	0.2503	1.3580	6.6190	0.0166	0.7919	0.0206	0.8125	0.2120	0.0203	0.2323	0.0000	1,512.5443	1,512.5443	0.0476	0.0354	1,524.2819
2033	0.2213	1.2330	6.0058	0.0155	0.7917	0.0163	0.8080	0.2120	0.0160	0.2280	0.0000	1,418.3744	1,418.3744	0.0436	0.0351	1,429.9145
2034	2.4584	1.3002	7.0543	0.0177	0.8935	0.0184	0.9119	0.2390	0.0181	0.2571	0.0000	1,618.3232	1,618.3232	0.0503	0.0358	1,630.2535
2035	3.1891	0.5755	3.8057	9.1700e-003	0.4487	9.3300e-003	0.4580	0.1198	9.1900e-003	0.1290	0.0000	831.8937	831.8937	0.0249	0.0150	836.9827
Maximum	**3.1891**	**2.1972**	**11.9857**	**0.0238**	**0.8935**	**0.0448**	**0.9119**	**0.2390**	**0.0446**	**0.2571**	**0.0000**	**2,121.2778**	**2,121.2778**	**0.0831**	**0.0358**	**2,132.8187**

	ROG	NOx	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	**23.58**	**60.73**	**1.35**	**7.58**	**2.61**	**72.35**	**10.14**	**1.29**	**72.57**	**23.82**	**0.00**	**6.40**	**6.40**	**10.78**	**0.00**	**6.37**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2034**	**5-31-2034**	1.3182	0.7560
2	**6-1-2034**	**8-31-2034**	1.9031	1.1841
3	**9-1-2034**	**11-30-2034**	1.8893	1.1781
4	**12-1-2034**	**2-28-2035**	1.8030	1.1667
5	**3-1-2035**	**5-31-2035**	1.7244	1.1463
6	**6-1-2035**	**8-31-2035**	1.1069	0.8263

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7	**9-1-2035**	**9-30-2035**	0.3610	0.2694
		Highest	1.9031	1.1841

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	2.6134	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0310	0.2663	0.1204	1.6900e-003		0.0215	0.0215		0.0215	0.0215	0.0000	916.2677	916.2677	0.0573	0.0119	921.2353
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.6445**	**0.2663**	**0.1204**	**1.6900e-003**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**916.2677**	**916.2677**	**0.0573**	**0.0119**	**921.2353**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	2.6134	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0310	0.2663	0.1204	1.6900e-003		0.0215	0.0215		0.0215	0.0215	0.0000	916.2677	916.2677	0.0573	0.0119	921.2353
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.6445**	**0.2663**	**0.1204**	**1.6900e-003**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**916.2677**	**916.2677**	**0.0573**	**0.0119**	**921.2353**

	ROG	NOx	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	Demolition	Demolition	1/1/2031	4/16/2031	5	76	
2	Site Prep	Site Preparation	4/17/2031	6/9/2031	5	38	
3	Grading	Grading	6/10/2031	9/23/2031	5	76	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Utilities Trenching	Trenching	9/24/2031	1/7/2032	5	76	
5	Building Construction	Building Construction	1/8/2032	5/21/2035	5	878	
6	Paving	Paving	1/8/2032	2/4/2032	5	20	
7	Architectural Coating P2A & Phase 2 Equip	Architectural Coating	4/18/2034	12/21/2035	5	439	
8	Architectural Coating P2B	Architectural Coating	4/18/2034	12/21/2035	5	439	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 152

Acres of Paving: 0

Residential Indoor: 1,215,000; Residential Outdoor: 405,000; Non-Residential Indoor: 175,577; Non-Residential Outdoor: 58,526; Striped Parking Area: 20,664 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	4	8.00	81	0.73
Demolition	Excavators	8	8.00	158	0.38
Demolition	Generator Sets	4	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	4	8.00	203	0.36
Demolition	Sweepers/Scrubbers	4	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Prep	Rubber Tired Dozers	0	8.00	247	0.40
Site Prep	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Prep	Trenchers	4	8.00	78	0.50
Grading	Air Compressors	8	8.00	78	0.48
Grading	Excavators	8	8.00	158	0.38
Grading	Generator Sets	4	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	4	8.00	8	0.43

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Grading	Pumps	4	8.00	84	0.74
Grading	Rough Terrain Forklifts	4	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Scrapers	2	8.00	367	0.48
Grading	Sweepers/Scrubbers	4	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	12	8.00	97	0.37
Grading	Welders	8	8.00	46	0.45
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	4	8.00	9	0.56
Building Construction	Cranes	4	8.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	4	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	4	4.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Generator Sets	4	8.00	84	0.74
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Plate Compactors	4	8.00	8	0.43
Paving	Rollers	4	8.00	80	0.38
Paving	Signal Boards	4	8.00	6	0.82
Paving	Sweepers/Scrubbers	4	4.00	64	0.46
Architectural Coating P2A & Phase 2 Equip	Air Compressors	4	8.00	78	0.48
Architectural Coating P2A & Phase 2 Equip	Cement and Mortar Mixers	8	8.00	9	0.56
Architectural Coating P2A & Phase 2 Equip	Pressure Washers	4	8.00	13	0.30

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Utilities Trenching	Air Compressors	4	8.00	78	0.48
Utilities Trenching	Concrete/Industrial Saws	4	8.00	81	0.73
Utilities Trenching	Excavators	4	8.00	158	0.38
Utilities Trenching	Generator Sets	4	8.00	84	0.74
Utilities Trenching	Paving Equipment	4	8.00	132	0.36
Utilities Trenching	Rollers	4	8.00	80	0.38
Utilities Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities Trenching	Signal Boards	4	8.00	6	0.82
Utilities Trenching	Surfacing Equipment	4	8.00	263	0.30
Utilities Trenching	Sweepers/Scrubbers	4	4.00	64	0.46
Utilities Trenching	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Architectural Coating P2B	Air Compressors	0	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
Demolition	32	80.00	0.00	686.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	4	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	58	145.00	0.00	6,878.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	20	504.00	90.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	28	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating P2A & Phase 2 Equip	16	101.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Trenching	48	60.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating P2B	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

3.2 Demolition - 2031

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					0.0742	0.0000	0.0742	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2473	1.2720	3.4146	6.6900e-003		0.0307	0.0307		0.0307	0.0307	0.0000	574.4988	574.4988	0.0197	0.0000	574.9922
Total	**0.2473**	**1.2720**	**3.4146**	**6.6900e-003**	**0.0742**	**0.0307**	**0.1049**	**0.0112**	**0.0307**	**0.0419**	**0.0000**	**574.4988**	**574.4988**	**0.0197**	**0.0000**	**574.9922**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2031

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	6.8000e-004	0.0442	0.0131	1.7000e-004	5.9000e-003	2.7000e-004	6.1700e-003	1.6200e-003	2.6000e-004	1.8800e-003	0.0000	17.1394	17.1394	1.1800e-003	2.7300e-003	17.9824
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	5.9500e-003	3.7400e-003	0.0676	2.3000e-004	0.0333	1.3000e-004	0.0334	8.8500e-003	1.2000e-004	8.9700e-003	0.0000	23.1252	23.1252	3.5000e-004	4.6000e-004	23.2700
Total	**6.6300e-003**	**0.0480**	**0.0807**	**4.0000e-004**	**0.0392**	**4.0000e-004**	**0.0396**	**0.0105**	**3.8000e-004**	**0.0109**	**0.0000**	**40.2646**	**40.2646**	**1.5300e-003**	**3.1900e-003**	**41.2525**

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					0.0334	0.0000	0.0334	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0910	0.5195	3.0045	5.6900e-003		0.0103	0.0103		0.0103	0.0103	0.0000	488.5867	488.5867	0.0173	0.0000	489.0196
Total	**0.0910**	**0.5195**	**3.0045**	**5.6900e-003**	**0.0334**	**0.0103**	**0.0437**	**5.0500e-003**	**0.0103**	**0.0154**	**0.0000**	**488.5867**	**488.5867**	**0.0173**	**0.0000**	**489.0196**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2031

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	6.8000e-004	0.0442	0.0131	1.7000e-004	5.9000e-003	2.7000e-004	6.1700e-003	1.6200e-003	2.6000e-004	1.8800e-003	0.0000	17.1394	17.1394	1.1800e-003	2.7300e-003	17.9824
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	5.9500e-003	3.7400e-003	0.0676	2.3000e-004	0.0333	1.3000e-004	0.0334	8.8500e-003	1.2000e-004	8.9700e-003	0.0000	23.1252	23.1252	3.5000e-004	4.6000e-004	23.2700
Total	**6.6300e-003**	**0.0480**	**0.0807**	**4.0000e-004**	**0.0392**	**4.0000e-004**	**0.0396**	**0.0105**	**3.8000e-004**	**0.0109**	**0.0000**	**40.2646**	**40.2646**	**1.5300e-003**	**3.1900e-003**	**41.2525**

3.3 Site Prep - 2031

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	0.0214	0.1338	0.1957	3.1000e-004		6.9000e-003	6.9000e-003		6.9000e-003	6.9000e-003	0.0000	26.9510	26.9510	1.7100e-003	0.0000	26.9937
Total	**0.0214**	**0.1338**	**0.1957**	**3.1000e-004**	**0.0000**	**6.9000e-003**	**6.9000e-003**	**0.0000**	**6.9000e-003**	**6.9000e-003**	**0.0000**	**26.9510**	**26.9510**	**1.7100e-003**	**0.0000**	**26.9937**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Prep - 2031

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	7.4000e-004	4.7000e-004	8.4500e-003	3.0000e-005	4.1600e-003	2.0000e-005	4.1800e-003	1.1100e-003	1.0000e-005	1.1200e-003	0.0000	2.8907	2.8907	4.0000e-005	6.0000e-005	2.9088
Total	**7.4000e-004**	**4.7000e-004**	**8.4500e-003**	**3.0000e-005**	**4.1600e-003**	**2.0000e-005**	**4.1800e-003**	**1.1100e-003**	**1.0000e-005**	**1.1200e-003**	**0.0000**	**2.8907**	**2.8907**	**4.0000e-005**	**6.0000e-005**	**2.9088**

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	3.1400e-003	0.0136	0.1934	3.1000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	26.9510	26.9510	1.7100e-003	0.0000	26.9937
Total	**3.1400e-003**	**0.0136**	**0.1934**	**3.1000e-004**	**0.0000**	**4.2000e-004**	**4.2000e-004**	**0.0000**	**4.2000e-004**	**4.2000e-004**	**0.0000**	**26.9510**	**26.9510**	**1.7100e-003**	**0.0000**	**26.9937**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Prep - 2031

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	7.4000e-004	4.7000e-004	8.4500e-003	3.0000e-005	4.1600e-003	2.0000e-005	4.1800e-003	1.1100e-003	1.0000e-005	1.1200e-003	0.0000	2.8907	2.8907	4.0000e-005	6.0000e-005	2.9088
Total	**7.4000e-004**	**4.7000e-004**	**8.4500e-003**	**3.0000e-005**	**4.1600e-003**	**2.0000e-005**	**4.1800e-003**	**1.1100e-003**	**1.0000e-005**	**1.1200e-003**	**0.0000**	**2.8907**	**2.8907**	**4.0000e-005**	**6.0000e-005**	**2.9088**

3.4 Grading - 2031

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					0.0806	0.0000	0.0806	8.7000e-003	0.0000	8.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4295	2.4900	5.4842	0.0100		0.0573	0.0573		0.0573	0.0573	0.0000	869.7713	869.7713	0.0345	0.0000	870.6348
Total	**0.4295**	**2.4900**	**5.4842**	**0.0100**	**0.0806**	**0.0573**	**0.1379**	**8.7000e-003**	**0.0573**	**0.0660**	**0.0000**	**869.7713**	**869.7713**	**0.0345**	**0.0000**	**870.6348**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2031

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	6.7800e-003	0.4435	0.1313	1.7100e-003	0.0592	2.7000e-003	0.0619	0.0163	2.5800e-003	0.0188	0.0000	171.8439	171.8439	0.0119	0.0274	180.2962
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	0.0108	6.7900e-003	0.1225	4.2000e-004	0.0604	2.3000e-004	0.0606	0.0160	2.1000e-004	0.0163	0.0000	41.9145	41.9145	6.3000e-004	8.3000e-004	42.1769
Total	**0.0176**	**0.4503**	**0.2537**	**2.1300e-003**	**0.1196**	**2.9300e-003**	**0.1225**	**0.0323**	**2.7900e-003**	**0.0351**	**0.0000**	**213.7584**	**213.7584**	**0.0125**	**0.0282**	**222.4731**

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					0.0363	0.0000	0.0363	3.9200e-003	0.0000	3.9200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0888	0.5598	4.8266	8.1700e-003		0.0112	0.0112		0.0112	0.0112	0.0000	721.8855	721.8855	0.0276	0.0000	722.5754
Total	**0.0888**	**0.5598**	**4.8266**	**8.1700e-003**	**0.0363**	**0.0112**	**0.0475**	**3.9200e-003**	**0.0112**	**0.0151**	**0.0000**	**721.8855**	**721.8855**	**0.0276**	**0.0000**	**722.5754**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2031

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	6.7800e-003	0.4435	0.1313	1.7100e-003	0.0592	2.7000e-003	0.0619	0.0163	2.5800e-003	0.0188	0.0000	171.8439	171.8439	0.0119	0.0274	180.2962
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	0.0108	6.7900e-003	0.1225	4.2000e-004	0.0604	2.3000e-004	0.0606	0.0160	2.1000e-004	0.0163	0.0000	41.9145	41.9145	6.3000e-004	8.3000e-004	42.1769
Total	**0.0176**	**0.4503**	**0.2537**	**2.1300e-003**	**0.1196**	**2.9300e-003**	**0.1225**	**0.0323**	**2.7900e-003**	**0.0351**	**0.0000**	**213.7584**	**213.7584**	**0.0125**	**0.0282**	**222.4731**

3.5 Utilities Trenching - 2031

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	0.3130	1.7212	3.8055	7.9400e-003		0.0485	0.0485		0.0485	0.0485	0.0000	697.3509	697.3509	0.0251	0.0000	697.9772
Total	**0.3130**	**1.7212**	**3.8055**	**7.9400e-003**		**0.0485**	**0.0485**		**0.0485**	**0.0485**	**0.0000**	**697.3509**	**697.3509**	**0.0251**	**0.0000**	**697.9772**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Utilities Trenching - 2031

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	4.1700e-003	2.6200e-003	0.0473	1.6000e-004	0.0233	9.0000e-005	0.0234	6.2000e-003	8.0000e-005	6.2800e-003	0.0000	16.2029	16.2029	2.4000e-004	3.2000e-004	16.3043
Total	**4.1700e-003**	**2.6200e-003**	**0.0473**	**1.6000e-004**	**0.0233**	**9.0000e-005**	**0.0234**	**6.2000e-003**	**8.0000e-005**	**6.2800e-003**	**0.0000**	**16.2029**	**16.2029**	**2.4000e-004**	**3.2000e-004**	**16.3043**

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	0.1281	0.6030	3.5709	6.9100e-003		0.0194	0.0194		0.0194	0.0194	0.0000	610.7381	610.7381	0.0221	0.0000	611.2915
Total	**0.1281**	**0.6030**	**3.5709**	**6.9100e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**610.7381**	**610.7381**	**0.0221**	**0.0000**	**611.2915**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Utilities Trenching - 2031

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	4.1700e-003	2.6200e-003	0.0473	1.6000e-004	0.0233	9.0000e-005	0.0234	6.2000e-003	8.0000e-005	6.2800e-003	0.0000	16.2029	16.2029	2.4000e-004	3.2000e-004	16.3043
Total	**4.1700e-003**	**2.6200e-003**	**0.0473**	**1.6000e-004**	**0.0233**	**9.0000e-005**	**0.0234**	**6.2000e-003**	**8.0000e-005**	**6.2800e-003**	**0.0000**	**16.2029**	**16.2029**	**2.4000e-004**	**3.2000e-004**	**16.3043**

3.5 Utilities Trenching - 2032

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	0.0220	0.1212	0.2680	5.6000e-004		3.4100e-003	3.4100e-003		3.4100e-003	3.4100e-003	0.0000	49.1092	49.1092	1.7600e-003	0.0000	49.1533
Total	**0.0220**	**0.1212**	**0.2680**	**5.6000e-004**		**3.4100e-003**	**3.4100e-003**		**3.4100e-003**	**3.4100e-003**	**0.0000**	**49.1092**	**49.1092**	**1.7600e-003**	**0.0000**	**49.1533**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Utilities Trenching - 2032

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	2.8000e-004	1.7000e-004	3.2200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1279	1.1279	2.0000e-005	2.0000e-005	1.1349
Total	**2.8000e-004**	**1.7000e-004**	**3.2200e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.1279**	**1.1279**	**2.0000e-005**	**2.0000e-005**	**1.1349**

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	9.0200e-003	0.0425	0.2515	4.9000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	43.0097	43.0097	1.5600e-003	0.0000	43.0487
Total	**9.0200e-003**	**0.0425**	**0.2515**	**4.9000e-004**		**1.3700e-003**	**1.3700e-003**		**1.3700e-003**	**1.3700e-003**	**0.0000**	**43.0097**	**43.0097**	**1.5600e-003**	**0.0000**	**43.0487**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Utilities Trenching - 2032

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	2.8000e-004	1.7000e-004	3.2200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1279	1.1279	2.0000e-005	2.0000e-005	1.1349
Total	**2.8000e-004**	**1.7000e-004**	**3.2200e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.1279**	**1.1279**	**2.0000e-005**	**2.0000e-005**	**1.1349**

3.6 Building Construction - 2032

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	0.3918	2.0456	3.9320	9.0200e-003		0.0512	0.0512		0.0512	0.0512	0.0000	767.3733	767.3733	0.0316	0.0000	768.1622
Total	**0.3918**	**2.0456**	**3.9320**	**9.0200e-003**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**767.3733**	**767.3733**	**0.0316**	**0.0000**	**768.1622**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2032

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	0.0109	0.4441	0.1601	1.8200e-003	0.0729	2.1500e-003	0.0750	0.0210	2.0600e-003	0.0231	0.0000	178.7758	178.7758	7.4200e-003	0.0258	186.6577
Worker	0.1196	0.0747	1.3908	4.9000e-003	0.7097	2.5600e-003	0.7122	0.1885	2.3600e-003	0.1909	0.0000	486.9973	486.9973	6.9200e-003	9.4500e-003	489.9852
Total	**0.1305**	**0.5188**	**1.5509**	**6.7200e-003**	**0.7826**	**4.7100e-003**	**0.7873**	**0.2095**	**4.4200e-003**	**0.2140**	**0.0000**	**665.7731**	**665.7731**	**0.0143**	**0.0353**	**676.6429**

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	0.0946	0.7061	4.4273	8.6600e-003		0.0115	0.0115		0.0115	0.0115	0.0000	743.8170	743.8170	0.0291	0.0000	744.5448
Total	**0.0946**	**0.7061**	**4.4273**	**8.6600e-003**		**0.0115**	**0.0115**		**0.0115**	**0.0115**	**0.0000**	**743.8170**	**743.8170**	**0.0291**	**0.0000**	**744.5448**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2032

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	0.0109	0.4441	0.1601	1.8200e-003	0.0729	2.1500e-003	0.0750	0.0210	2.0600e-003	0.0231	0.0000	178.7758	178.7758	7.4200e-003	0.0258	186.6577
Worker	0.1196	0.0747	1.3908	4.9000e-003	0.7097	2.5600e-003	0.7122	0.1885	2.3600e-003	0.1909	0.0000	486.9973	486.9973	6.9200e-003	9.4500e-003	489.9852
Total	**0.1305**	**0.5188**	**1.5509**	**6.7200e-003**	**0.7826**	**4.7100e-003**	**0.7873**	**0.2095**	**4.4200e-003**	**0.2140**	**0.0000**	**665.7731**	**665.7731**	**0.0143**	**0.0353**	**676.6429**

3.6 Building Construction - 2033

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	0.3964	2.0695	3.9779	9.1300e-003		0.0518	0.0518		0.0518	0.0518	0.0000	776.3310	776.3310	0.0319	0.0000	777.1291
Total	**0.3964**	**2.0695**	**3.9779**	**9.1300e-003**		**0.0518**	**0.0518**		**0.0518**	**0.0518**	**0.0000**	**776.3310**	**776.3310**	**0.0319**	**0.0000**	**777.1291**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2033

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	0.0110	0.4473	0.1622	1.8100e-003	0.0737	2.1600e-003	0.0759	0.0213	2.0700e-003	0.0234	0.0000	178.2227	178.2227	7.5600e-003	0.0258	186.0853
Worker	0.1146	0.0714	1.3646	4.8800e-003	0.7180	2.4400e-003	0.7204	0.1907	2.2400e-003	0.1929	0.0000	487.6520	487.6520	6.5500e-003	9.3200e-003	490.5933
Total	**0.1256**	**0.5187**	**1.5268**	**6.6900e-003**	**0.7917**	**4.6000e-003**	**0.7963**	**0.2120**	**4.3100e-003**	**0.2163**	**0.0000**	**665.8746**	**665.8746**	**0.0141**	**0.0351**	**676.6786**

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	0.0957	0.7143	4.4790	8.7600e-003		0.0117	0.0117		0.0117	0.0117	0.0000	752.4997	752.4997	0.0295	0.0000	753.2359
Total	**0.0957**	**0.7143**	**4.4790**	**8.7600e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**752.4997**	**752.4997**	**0.0295**	**0.0000**	**753.2359**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2033

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	0.0110	0.4473	0.1622	1.8100e-003	0.0737	2.1600e-003	0.0759	0.0213	2.0700e-003	0.0234	0.0000	178.2227	178.2227	7.5600e-003	0.0258	186.0853
Worker	0.1146	0.0714	1.3646	4.8800e-003	0.7180	2.4400e-003	0.7204	0.1907	2.2400e-003	0.1929	0.0000	487.6520	487.6520	6.5500e-003	9.3200e-003	490.5933
Total	**0.1256**	**0.5187**	**1.5268**	**6.6900e-003**	**0.7917**	**4.6000e-003**	**0.7963**	**0.2120**	**4.3100e-003**	**0.2163**	**0.0000**	**665.8746**	**665.8746**	**0.0141**	**0.0351**	**676.6786**

3.6 Building Construction - 2034

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	0.3964	2.0695	3.9779	9.1300e-003		0.0518	0.0518		0.0518	0.0518	0.0000	776.3310	776.3310	0.0319	0.0000	777.1291
Total	**0.3964**	**2.0695**	**3.9779**	**9.1300e-003**		**0.0518**	**0.0518**		**0.0518**	**0.0518**	**0.0000**	**776.3310**	**776.3310**	**0.0319**	**0.0000**	**777.1291**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2034

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	0.0109	0.4453	0.1625	1.7900e-003	0.0737	2.1500e-003	0.0759	0.0213	2.0600e-003	0.0233	0.0000	175.7443	175.7443	7.6000e-003	0.0254	183.5021
Worker	0.1089	0.0679	1.3257	4.8200e-003	0.7180	2.2900e-003	0.7203	0.1907	2.1100e-003	0.1928	0.0000	483.2198	483.2198	6.1300e-003	9.1200e-003	486.0916
Total	**0.1199**	**0.5131**	**1.4882**	**6.6100e-003**	**0.7917**	**4.4400e-003**	**0.7962**	**0.2120**	**4.1700e-003**	**0.2161**	**0.0000**	**658.9642**	**658.9642**	**0.0137**	**0.0345**	**669.5938**

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	0.0957	0.7143	4.4790	8.7600e-003		0.0117	0.0117		0.0117	0.0117	0.0000	752.4997	752.4997	0.0295	0.0000	753.2359
Total	**0.0957**	**0.7143**	**4.4790**	**8.7600e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**752.4997**	**752.4997**	**0.0295**	**0.0000**	**753.2359**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2034

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	0.0109	0.4453	0.1625	1.7900e-003	0.0737	2.1500e-003	0.0759	0.0213	2.0600e-003	0.0233	0.0000	175.7443	175.7443	7.6000e-003	0.0254	183.5021
Worker	0.1089	0.0679	1.3257	4.8200e-003	0.7180	2.2900e-003	0.7203	0.1907	2.1100e-003	0.1928	0.0000	483.2198	483.2198	6.1300e-003	9.1200e-003	486.0916
Total	**0.1199**	**0.5131**	**1.4882**	**6.6100e-003**	**0.7917**	**4.4400e-003**	**0.7962**	**0.2120**	**4.1700e-003**	**0.2161**	**0.0000**	**658.9642**	**658.9642**	**0.0137**	**0.0345**	**669.5938**

3.6 Building Construction - 2035

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	0.1427	0.6849	1.5427	3.5500e-003		0.0131	0.0131		0.0131	0.0131	0.0000	301.5747	301.5747	0.0114	0.0000	301.8602
Total	**0.1427**	**0.6849**	**1.5427**	**3.5500e-003**		**0.0131**	**0.0131**		**0.0131**	**0.0131**	**0.0000**	**301.5747**	**301.5747**	**0.0114**	**0.0000**	**301.8602**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2035

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	4.2300e-003	0.1723	0.0633	6.9000e-004	0.0287	8.3000e-004	0.0295	8.2700e-003	7.9000e-004	9.0600e-003	0.0000	67.4004	67.4004	2.9700e-003	9.7400e-003	70.3773
Worker	0.0404	0.0253	0.5023	1.8500e-003	0.2789	8.4000e-004	0.2797	0.0741	7.7000e-004	0.0749	0.0000	186.2406	186.2406	2.2400e-003	3.4800e-003	187.3350
Total	**0.0446**	**0.1976**	**0.5656**	**2.5400e-003**	**0.3076**	**1.6700e-003**	**0.3092**	**0.0824**	**1.5600e-003**	**0.0839**	**0.0000**	**253.6410**	**253.6410**	**5.2100e-003**	**0.0132**	**257.7123**

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	0.0372	0.2775	1.7399	3.4000e-003		4.5400e-003	4.5400e-003		4.5400e-003	4.5400e-003	0.0000	292.3172	292.3172	0.0105	0.0000	292.5787
Total	**0.0372**	**0.2775**	**1.7399**	**3.4000e-003**		**4.5400e-003**	**4.5400e-003**		**4.5400e-003**	**4.5400e-003**	**0.0000**	**292.3172**	**292.3172**	**0.0105**	**0.0000**	**292.5787**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2035

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	4.2300e-003	0.1723	0.0633	6.9000e-004	0.0287	8.3000e-004	0.0295	8.2700e-003	7.9000e-004	9.0600e-003	0.0000	67.4004	67.4004	2.9700e-003	9.7400e-003	70.3773
Worker	0.0404	0.0253	0.5023	1.8500e-003	0.2789	8.4000e-004	0.2797	0.0741	7.7000e-004	0.0749	0.0000	186.2406	186.2406	2.2400e-003	3.4800e-003	187.3350
Total	**0.0446**	**0.1976**	**0.5656**	**2.5400e-003**	**0.3076**	**1.6700e-003**	**0.3092**	**0.0824**	**1.5600e-003**	**0.0839**	**0.0000**	**253.6410**	**253.6410**	**5.2100e-003**	**0.0132**	**257.7123**

3.7 Paving - 2032

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	0.0421	0.2553	0.5213	9.3000e-004		9.2900e-003	9.2900e-003		9.2900e-003	9.2900e-003	0.0000	79.2018	79.2018	3.4300e-003	0.0000	79.2875
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0421**	**0.2553**	**0.5213**	**9.3000e-004**		**9.2900e-003**	**9.2900e-003**		**9.2900e-003**	**9.2900e-003**	**0.0000**	**79.2018**	**79.2018**	**3.4300e-003**	**0.0000**	**79.2875**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2032

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	1.2900e-003	8.1000e-004	0.0150	5.0000e-005	7.6700e-003	3.0000e-005	7.7000e-003	2.0400e-003	3.0000e-005	2.0600e-003	0.0000	5.2637	5.2637	7.0000e-005	1.0000e-004	5.2960
Total	**1.2900e-003**	**8.1000e-004**	**0.0150**	**5.0000e-005**	**7.6700e-003**	**3.0000e-005**	**7.7000e-003**	**2.0400e-003**	**3.0000e-005**	**2.0600e-003**	**0.0000**	**5.2637**	**5.2637**	**7.0000e-005**	**1.0000e-004**	**5.2960**

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	0.0146	0.0897	0.3711	6.2000e-004		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	53.5528	53.5528	2.4800e-003	0.0000	53.6147
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0146**	**0.0897**	**0.3711**	**6.2000e-004**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**	**0.0000**	**53.5528**	**53.5528**	**2.4800e-003**	**0.0000**	**53.6147**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2032

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	1.2900e-003	8.1000e-004	0.0150	5.0000e-005	7.6700e-003	3.0000e-005	7.7000e-003	2.0400e-003	3.0000e-005	2.0600e-003	0.0000	5.2637	5.2637	7.0000e-005	1.0000e-004	5.2960
Total	**1.2900e-003**	**8.1000e-004**	**0.0150**	**5.0000e-005**	**7.6700e-003**	**3.0000e-005**	**7.7000e-003**	**2.0400e-003**	**3.0000e-005**	**2.0600e-003**	**0.0000**	**5.2637**	**5.2637**	**7.0000e-005**	**1.0000e-004**	**5.2960**

3.8 Architectural Coating P2A & Phase 2 Equip - 2034

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	1.0343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1224	0.7965	1.1969	2.1800e-003		0.0247	0.0247		0.0247	0.0247	0.0000	172.0588	172.0588	9.7900e-003	0.0000	172.3035
Total	**1.1566**	**0.7965**	**1.1969**	**2.1800e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**	**0.0000**	**172.0588**	**172.0588**	**9.7900e-003**	**0.0000**	**172.3035**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Architectural Coating P2A & Phase 2 Equip - 2034

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	0.0155	9.6300e-003	0.1880	6.8000e-004	0.1018	3.2000e-004	0.1022	0.0270	3.0000e-004	0.0273	0.0000	68.5299	68.5299	8.7000e-004	1.2900e-003	68.9372
Total	**0.0155**	**9.6300e-003**	**0.1880**	**6.8000e-004**	**0.1018**	**3.2000e-004**	**0.1022**	**0.0270**	**3.0000e-004**	**0.0273**	**0.0000**	**68.5299**	**68.5299**	**8.7000e-004**	**1.2900e-003**	**68.9372**

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	1.0343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.0632	0.8991	1.6600e-003		1.9400e-003	1.9400e-003		1.9400e-003	1.9400e-003	0.0000	138.3295	138.3295	6.2900e-003	0.0000	138.4867
Total	**1.0488**	**0.0632**	**0.8991**	**1.6600e-003**		**1.9400e-003**	**1.9400e-003**		**1.9400e-003**	**1.9400e-003**	**0.0000**	**138.3295**	**138.3295**	**6.2900e-003**	**0.0000**	**138.4867**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Architectural Coating P2A & Phase 2 Equip - 2034

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	0.0155	9.6300e-003	0.1880	6.8000e-004	0.1018	3.2000e-004	0.1022	0.0270	3.0000e-004	0.0273	0.0000	68.5299	68.5299	8.7000e-004	1.2900e-003	68.9372
Total	**0.0155**	**9.6300e-003**	**0.1880**	**6.8000e-004**	**0.1018**	**3.2000e-004**	**0.1022**	**0.0270**	**3.0000e-004**	**0.0273**	**0.0000**	**68.5299**	**68.5299**	**8.7000e-004**	**1.2900e-003**	**68.9372**

3.8 Architectural Coating P2A & Phase 2 Equip - 2035

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	1.4333					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1607	1.0361	1.6564	3.0300e-003		0.0270	0.0270		0.0270	0.0270	0.0000	238.4510	238.4510	0.0130	0.0000	238.7749
Total	**1.5941**	**1.0361**	**1.6564**	**3.0300e-003**		**0.0270**	**0.0270**		**0.0270**	**0.0270**	**0.0000**	**238.4510**	**238.4510**	**0.0130**	**0.0000**	**238.7749**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Architectural Coating P2A & Phase 2 Equip - 2035

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	0.0204	0.0128	0.2542	9.3000e-004	0.1411	4.2000e-004	0.1415	0.0375	3.9000e-004	0.0379	0.0000	94.2289	94.2289	1.1400e-003	1.7600e-003	94.7826
Total	**0.0204**	**0.0128**	**0.2542**	**9.3000e-004**	**0.1411**	**4.2000e-004**	**0.1415**	**0.0375**	**3.9000e-004**	**0.0379**	**0.0000**	**94.2289**	**94.2289**	**1.1400e-003**	**1.7600e-003**	**94.7826**

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	1.4333					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.0876	1.2460	2.3000e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	191.7066	191.7066	8.1000e-003	0.0000	191.9092
Total	**1.4536**	**0.0876**	**1.2460**	**2.3000e-003**		**2.6900e-003**	**2.6900e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**191.7066**	**191.7066**	**8.1000e-003**	**0.0000**	**191.9092**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Architectural Coating P2A & Phase 2 Equip - 2035

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	0.0204	0.0128	0.2542	9.3000e-004	0.1411	4.2000e-004	0.1415	0.0375	3.9000e-004	0.0379	0.0000	94.2289	94.2289	1.1400e-003	1.7600e-003	94.7826
Total	**0.0204**	**0.0128**	**0.2542**	**9.3000e-004**	**0.1411**	**4.2000e-004**	**0.1415**	**0.0375**	**3.9000e-004**	**0.0379**	**0.0000**	**94.2289**	**94.2289**	**1.1400e-003**	**1.7600e-003**	**94.7826**

3.9 Architectural Coating P2B - 2034

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	1.1786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**1.1786**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Architectural Coating P2B - 2034

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.1786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**1.1786**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Architectural Coating P2B - 2034

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 Architectural Coating P2B - 2035

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	1.6334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**1.6334**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Architectural Coating P2B - 2035

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.6334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**1.6334**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Architectural Coating P2B - 2035

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
City Park	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		
Strip Mall	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
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
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Enclosed Parking with Elevator	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Strip Mall	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	609.0773	609.0773	0.0514	6.2300e-003	612.2194
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	609.0773	609.0773	0.0514	6.2300e-003	612.2194
NaturalGas Mitigated	0.0310	0.2663	0.1204	1.6900e-003		0.0215	0.0215		0.0215	0.0215	0.0000	307.1904	307.1904	5.8900e-003	5.6300e-003	309.0158
NaturalGas Unmitigated	0.0310	0.2663	0.1204	1.6900e-003		0.0215	0.0215		0.0215	0.0215	0.0000	307.1904	307.1904	5.8900e-003	5.6300e-003	309.0158

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	5.40648e+006	0.0292	0.2491	0.1060	1.5900e-003		0.0201	0.0201		0.0201	0.0201	0.0000	288.5104	288.5104	5.5300e-003	5.2900e-003	290.2248
City Park	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
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	309300	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.5054	16.5054	3.2000e-004	3.0000e-004	16.6035
Strip Mall	40750	2.2000e-004	2.0000e-003	1.6800e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1746	2.1746	4.0000e-005	4.0000e-005	2.1875
Total		**0.0310**	**0.2663**	**0.1204**	**1.6900e-003**		**0.0214**	**0.0214**		**0.0214**	**0.0214**	**0.0000**	**307.1904**	**307.1904**	**5.8900e-003**	**5.6300e-003**	**309.0158**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	5.40648e+006	0.0292	0.2491	0.1060	1.5900e-003		0.0201	0.0201		0.0201	0.0201	0.0000	288.5104	288.5104	5.5300e-003	5.2900e-003	290.2248
City Park	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
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	309300	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.5054	16.5054	3.2000e-004	3.0000e-004	16.6035
Strip Mall	40750	2.2000e-004	2.0000e-003	1.6800e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1746	2.1746	4.0000e-005	4.0000e-005	2.1875
Total		**0.0310**	**0.2663**	**0.1204**	**1.6900e-003**		**0.0214**	**0.0214**		**0.0214**	**0.0214**	**0.0000**	**307.1904**	**307.1904**	**5.8900e-003**	**5.6300e-003**	**309.0158**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.27732e+006	403.8733	0.0341	4.1300e-003	405.9568
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	668136	118.4909	0.0100	1.2100e-003	119.1022
General Office Building	251700	44.6379	3.7700e-003	4.6000e-004	44.8682
Strip Mall	237250	42.0752	3.5500e-003	4.3000e-004	42.2923
Total		**609.0773**	**0.0514**	**6.2300e-003**	**612.2194**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.27732e+006	403.8733	0.0341	4.1300e-003	405.9568
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	668136	118.4909	0.0100	1.2100e-003	119.1022
General Office Building	251700	44.6379	3.7700e-003	4.6000e-004	44.8682
Strip Mall	237250	42.0752	3.5500e-003	4.3000e-004	42.2923
Total		**609.0773**	**0.0514**	**6.2300e-003**	**612.2194**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive 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	2.6134	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	2.6134	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6134					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	0.0000	0.0000	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	**2.6134**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6134					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	0.0000	0.0000	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	**2.6134**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Boilers

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	23.00	1000sqft	0.00	23,000.00	0
Enclosed Parking with Elevator	806.00	Space	0.00	322,210.00	0
City Park	1.60	Acre	1.60	69,696.00	0
Apartments Mid Rise	533.00	Dwelling Unit	5.54	533,000.00	1524
Condo/Townhouse	45.00	Dwelling Unit	0.00	45,000.00	129
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See Assumptions. Architectural coating fugitive emissions modeled separately for Scenario 3B.

Off-road Equipment - ss

Off-road Equipment - See Assumptions

Off-road Equipment - See Assumptions

Off-road Equipment - s

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - See Assumptions

Off-road Equipment - see Assumptions

Off-road Equipment - ss

Off-road Equipment - see Assumptions

Off-road Equipment - See Assumptions

Trips and VMT - See Assumptions

Demolition - see assumptions

Grading - see Assumptions

Architectural Coating - See Assumptions

Vehicle Trips - Operational modeled separately

Woodstoves - Operational modeled separately

Area Coating - Operational modeled separately

Landscape Equipment - Operational modeled separately

Energy Use - Operational modeled separately

Water And Wastewater - Operational modeled separately

Solid Waste - Operational modeled separately

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	54,718.00	30,350.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	164,154.00	91,050.00
tblArchitecturalCoating	ConstArea_Parking	19,333.00	23,119.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	419,175.00	388,800.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	419,175.00	290,250.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,257,525.00	1,166,400.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,257,525.00	870,750.00
tblAreaCoating	Area_Nonresidential_Exterior	54718	0
tblAreaCoating	Area_Nonresidential_Interior	164154	0
tblAreaCoating	Area_Parking	19333	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblAreaCoating	Area_Residential_Exterior	419175	0
tblAreaCoating	Area_Residential_Interior	1257525	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	28.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	58.00
tblConstructionPhase	NumDays	10.00	29.00
tblConstructionPhase	NumDays	20.00	58.00
tblConstructionPhase	NumDays	230.00	672.00
tblConstructionPhase	NumDays	20.00	336.00
tblConstructionPhase	NumDays	20.00	336.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	LightingElect	6.26	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,795.01	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24E	3.23	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	NT24NG	0.49	0.00
tblEnergyUse	T24E	35.05	0.00
tblEnergyUse	T24E	39.19	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	4.11	0.00
tblEnergyUse	T24E	3.58	0.00
tblEnergyUse	T24NG	4,179.80	0.00
tblEnergyUse	T24NG	12,162.60	0.00
tblEnergyUse	T24NG	9.92	0.00
tblEnergyUse	T24NG	1.14	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	489.60	0.00
tblFireplaces	NumberGas	38.25	0.00
tblFireplaces	NumberNoFireplace	57.60	533.00
tblFireplaces	NumberNoFireplace	4.50	45.00
tblFireplaces	NumberWood	28.80	0.00
tblFireplaces	NumberWood	2.25	0.00
tblGrading	MaterialExported	0.00	132,721.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	322,400.00	322,210.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	0.53	0.00
tblLandUse	LotAcreage	7.25	0.00
tblLandUse	LotAcreage	14.03	5.54
tblLandUse	LotAcreage	2.81	0.00
tblLandUse	LotAcreage	0.46	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	12.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblSolidWaste	SolidWasteGenerationRate	264.96	0.00
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	20.70	0.00
tblSolidWaste	SolidWasteGenerationRate	21.39	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblSolidWaste	SolidWasteGenerationRate	21.00	0.00
tblTripsAndVMT	HaulingTripNumber	13,123.00	8,295.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	625.00	504.00
tblTripsAndVMT	WorkerTripNumber	125.00	101.00
tblTripsAndVMT	WorkerTripNumber	130.00	60.00
tblTripsAndVMT	WorkerTripNumber	125.00	0.00
tblVehicleTrips	ST_TR	4.91	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	4.09	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	5.44	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	37,528,718.76	0.00
tblWater	IndoorWaterUseRate	2,931,931.15	0.00
tblWater	IndoorWaterUseRate	4,087,876.20	0.00
tblWater	IndoorWaterUseRate	1,481,450.43	0.00
tblWater	OutdoorWaterUseRate	23,659,409.65	0.00
tblWater	OutdoorWaterUseRate	1,906,370.16	0.00
tblWater	OutdoorWaterUseRate	1,848,391.38	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	OutdoorWaterUseRate	2,505,472.51	0.00
tblWater	OutdoorWaterUseRate	907,985.75	0.00
tblWoodstoves	NumberCatalytic	28.80	0.00
tblWoodstoves	NumberCatalytic	2.25	0.00
tblWoodstoves	NumberNoncatalytic	28.80	0.00
tblWoodstoves	NumberNoncatalytic	2.25	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	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					
2034	0.8758	5.3226	11.0800	0.0239	0.3815	0.1276	0.5091	0.0820	0.1274	0.2094	0.0000	2,108.7292	2,108.7292	0.0855	0.0381	2,122.2300
2035	0.4806	2.5222	5.5246	0.0164	0.8358	0.0391	0.8748	0.2246	0.0388	0.2634	0.0000	1,461.3233	1,461.3233	0.0464	0.0476	1,476.6741
2036	1.5431	2.8368	6.0660	0.0176	0.8839	0.0471	0.9311	0.2374	0.0468	0.2842	0.0000	1,556.8775	1,556.8775	0.0506	0.0484	1,572.5554
2037	3.4457	2.3012	4.6432	0.0122	0.5646	0.0465	0.6110	0.1513	0.0463	0.1975	0.0000	1,056.4882	1,056.4882	0.0373	0.0260	1,065.1674
Maximum	**3.4457**	**5.3226**	**11.0800**	**0.0239**	**0.8839**	**0.1276**	**0.9311**	**0.2374**	**0.1274**	**0.2842**	**0.0000**	**2,108.7292**	**2,108.7292**	**0.0855**	**0.0484**	**2,122.2300**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

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					
2034	0.2160	1.7247	10.3091	0.0205	0.2972	0.0276	0.3248	0.0707	0.0274	0.0981	0.0000	1,832.3752	1,832.3752	0.0745	0.0381	1,845.6014
2035	0.2131	1.4552	5.9255	0.0160	0.8358	0.0167	0.8525	0.2246	0.0164	0.2410	0.0000	1,432.2706	1,432.2706	0.0438	0.0476	1,447.5549
2036	1.2342	1.4831	6.3607	0.0170	0.8839	0.0176	0.9015	0.2374	0.0173	0.2547	0.0000	1,517.4649	1,517.4649	0.0465	0.0484	1,533.0405
2037	3.1735	0.8352	4.4559	0.0113	0.5646	0.0115	0.5761	0.1513	0.0113	0.1626	0.0000	998.1032	998.1032	0.0312	0.0260	1,006.6308
Maximum	**3.1735**	**1.7247**	**10.3091**	**0.0205**	**0.8839**	**0.0276**	**0.9015**	**0.2374**	**0.0274**	**0.2547**	**0.0000**	**1,832.3752**	**1,832.3752**	**0.0745**	**0.0484**	**1,845.6014**

	ROG	NOx	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	**23.77**	**57.65**	**0.96**	**7.61**	**3.16**	**71.80**	**9.26**	**1.62**	**72.08**	**20.76**	**0.00**	**6.52**	**6.52**	**10.83**	**0.00**	**6.47**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2034**	**5-31-2034**	1.1711	0.3457
2	**6-1-2034**	**8-31-2034**	2.1703	0.7261
3	**9-1-2034**	**11-30-2034**	2.2202	0.6450
4	**12-1-2034**	**2-28-2035**	1.1377	0.4815
5	**3-1-2035**	**5-31-2035**	0.7381	0.4111
6	**6-1-2035**	**8-31-2035**	0.7340	0.4070
7	**9-1-2035**	**11-30-2035**	0.7340	0.4106
8	**12-1-2035**	**2-29-2036**	0.7379	0.4145

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9	**3-1-2036**	**5-31-2036**	0.7381	0.4111
10	**6-1-2036**	**8-31-2036**	0.7340	0.4070
11	**9-1-2036**	**11-30-2036**	1.7801	1.1912
12	**12-1-2036**	**2-28-2037**	1.8122	1.2177
13	**3-1-2037**	**5-31-2037**	1.8440	1.2363
14	**6-1-2037**	**8-31-2037**	1.3928	0.9842
15	**9-1-2037**	**9-30-2037**	0.3605	0.2690
		Highest	2.2202	1.2363

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	2.5049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.5049**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.5049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.5049**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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	Demolition	Demolition	3/1/2034	5/19/2034	5	58	
2	Site Prep	Site Preparation	5/20/2034	6/29/2034	5	29	
3	Grading	Grading	6/30/2034	9/19/2034	5	58	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Utilities Trenching	Trenching	9/19/2034	12/7/2034	5	58	
5	Building Construction	Building Construction	12/8/2034	7/6/2037	5	672	
6	Paving	Paving	12/8/2034	1/4/2035	5	20	
7	Architectural Coating - Phase 3	Architectural Coating	9/5/2036	12/18/2037	5	336	
8	Architectural Coating - P3 SB - AC emiss.	Architectural Coating	9/5/2036	12/18/2037	5	336	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 116

Acres of Paving: 0

Residential Indoor: 1,166,400; Residential Outdoor: 388,800; Non-Residential Indoor: 164,154; Non-Residential Outdoor: 54,718; Striped Parking Area: 19,333 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	4	8.00	81	0.73
Demolition	Excavators	8	8.00	158	0.38
Demolition	Generator Sets	4	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	4	8.00	203	0.36
Demolition	Sweepers/Scrubbers	4	4.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Prep	Rubber Tired Dozers	0	8.00	247	0.40
Site Prep	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Prep	Trenchers	4	8.00	78	0.50
Grading	Air Compressors	8	8.00	78	0.48
Grading	Excavators	8	8.00	158	0.38
Grading	Generator Sets	4	8.00	84	0.74
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	4	8.00	8	0.43

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Pumps	4	8.00	84	0.74
Grading	Rough Terrain Forklifts	4	8.00	100	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Sweepers/Scrubbers	4	4.00	64	0.46
Grading	Tractors/Loaders/Backhoes	12	8.00	97	0.37
Grading	Welders	8	8.00	46	0.45
Building Construction	Air Compressors	4	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	4	8.00	9	0.56
Building Construction	Cranes	4	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	4	8.00	100	0.40
Building Construction	Sweepers/Scrubbers	4	4.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Generator Sets	4	8.00	84	0.74
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Plate Compactors	4	8.00	8	0.43
Paving	Rollers	4	8.00	80	0.38
Paving	Signal Boards	4	8.00	6	0.82
Paving	Sweepers/Scrubbers	4	4.00	64	0.46
Architectural Coating - Phase 3	Air Compressors	4	8.00	78	0.48
Architectural Coating - Phase 3	Cement and Mortar Mixers	8	8.00	9	0.56
Architectural Coating - Phase 3	Pressure Washers	4	8.00	13	0.30
Utilities Trenching	Air Compressors	4	8.00	78	0.48
Utilities Trenching	Concrete/Industrial Saws	4	8.00	81	0.73
Utilities Trenching	Excavators	4	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities Trenching	Generator Sets	4	8.00	84	0.74
Utilities Trenching	Paving Equipment	4	8.00	132	0.36
Utilities Trenching	Rollers	4	8.00	80	0.38
Utilities Trenching	Rubber Tired Loaders	4	8.00	203	0.36
Utilities Trenching	Signal Boards	8	8.00	6	0.82
Utilities Trenching	Surfacing Equipment	4	8.00	263	0.30
Utilities Trenching	Sweepers/Scrubbers	4	8.00	64	0.46
Utilities Trenching	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Architectural Coating - P3 SB - AC emiss.	Air Compressors	0	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
Demolition	32	80.00	0.00	686.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	4	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	58	145.00	0.00	8,295.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	20	504.00	138.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	28	70.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase 3	16	101.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Trenching	52	60.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - P3 SB - AC emiss.	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2034

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					0.0917	0.0000	0.0917	0.0139	0.0000	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1809	0.9235	2.4944	4.9200e-003		0.0227	0.0227		0.0227	0.0227	0.0000	422.9072	422.9072	0.0144	0.0000	423.2680
Total	**0.1809**	**0.9235**	**2.4944**	**4.9200e-003**	**0.0917**	**0.0227**	**0.1144**	**0.0139**	**0.0227**	**0.0366**	**0.0000**	**422.9072**	**422.9072**	**0.0144**	**0.0000**	**423.2680**

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	6.7000e-004	0.0432	0.0134	1.6000e-004	5.9000e-003	2.6000e-004	6.1700e-003	1.6200e-003	2.5000e-004	1.8700e-003	0.0000	16.2481	16.2481	1.2100e-003	2.5900e-003	17.0501
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	3.8200e-003	2.3900e-003	0.0459	1.7000e-004	0.0254	8.0000e-005	0.0255	6.7500e-003	7.0000e-005	6.8300e-003	0.0000	15.6393	15.6393	2.2000e-004	3.2000e-004	15.7410
Total	**4.4900e-003**	**0.0456**	**0.0593**	**3.3000e-004**	**0.0313**	**3.4000e-004**	**0.0317**	**8.3700e-003**	**3.2000e-004**	**8.7000e-003**	**0.0000**	**31.8875**	**31.8875**	**1.4300e-003**	**2.9100e-003**	**32.7911**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2034

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					0.0413	0.0000	0.0413	6.2500e-003	0.0000	6.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0434	0.2549	2.3403	4.1600e-003		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003	0.0000	357.3427	357.3427	0.0126	0.0000	357.6574
Total	**0.0434**	**0.2549**	**2.3403**	**4.1600e-003**	**0.0413**	**5.5500e-003**	**0.0468**	**6.2500e-003**	**5.5500e-003**	**0.0118**	**0.0000**	**357.3427**	**357.3427**	**0.0126**	**0.0000**	**357.6574**

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	6.7000e-004	0.0432	0.0134	1.6000e-004	5.9000e-003	2.6000e-004	6.1700e-003	1.6200e-003	2.5000e-004	1.8700e-003	0.0000	16.2481	16.2481	1.2100e-003	2.5900e-003	17.0501
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	3.8200e-003	2.3900e-003	0.0459	1.7000e-004	0.0254	8.0000e-005	0.0255	6.7500e-003	7.0000e-005	6.8300e-003	0.0000	15.6393	15.6393	2.2000e-004	3.2000e-004	15.7410
Total	**4.4900e-003**	**0.0456**	**0.0593**	**3.3000e-004**	**0.0313**	**3.4000e-004**	**0.0317**	**8.3700e-003**	**3.2000e-004**	**8.7000e-003**	**0.0000**	**31.8875**	**31.8875**	**1.4300e-003**	**2.9100e-003**	**32.7911**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Prep - 2034

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	0.0163	0.1021	0.1493	2.4000e-004		5.2700e-003	5.2700e-003		5.2700e-003	5.2700e-003	0.0000	20.5679	20.5679	1.3000e-003	0.0000	20.6005
Total	**0.0163**	**0.1021**	**0.1493**	**2.4000e-004**	**0.0000**	**5.2700e-003**	**5.2700e-003**	**0.0000**	**5.2700e-003**	**5.2700e-003**	**0.0000**	**20.5679**	**20.5679**	**1.3000e-003**	**0.0000**	**20.6005**

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	4.8000e-004	3.0000e-004	5.7400e-003	2.0000e-005	3.1800e-003	1.0000e-005	3.1900e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	1.9549	1.9549	3.0000e-005	4.0000e-005	1.9676
Total	**4.8000e-004**	**3.0000e-004**	**5.7400e-003**	**2.0000e-005**	**3.1800e-003**	**1.0000e-005**	**3.1900e-003**	**8.4000e-004**	**1.0000e-005**	**8.5000e-004**	**0.0000**	**1.9549**	**1.9549**	**3.0000e-005**	**4.0000e-005**	**1.9676**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Prep - 2034

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	2.3900e-003	0.0104	0.1476	2.4000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	20.5679	20.5679	1.3000e-003	0.0000	20.6004
Total	**2.3900e-003**	**0.0104**	**0.1476**	**2.4000e-004**	**0.0000**	**3.2000e-004**	**3.2000e-004**	**0.0000**	**3.2000e-004**	**3.2000e-004**	**0.0000**	**20.5679**	**20.5679**	**1.3000e-003**	**0.0000**	**20.6004**

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	4.8000e-004	3.0000e-004	5.7400e-003	2.0000e-005	3.1800e-003	1.0000e-005	3.1900e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	1.9549	1.9549	3.0000e-005	4.0000e-005	1.9676
Total	**4.8000e-004**	**3.0000e-004**	**5.7400e-003**	**2.0000e-005**	**3.1800e-003**	**1.0000e-005**	**3.1900e-003**	**8.4000e-004**	**1.0000e-005**	**8.5000e-004**	**0.0000**	**1.9549**	**1.9549**	**3.0000e-005**	**4.0000e-005**	**1.9676**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2034

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					0.0615	0.0000	0.0615	6.6400e-003	0.0000	6.6400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3199	1.8530	4.0738	7.4600e-003		0.0431	0.0431		0.0431	0.0431	0.0000	648.2468	648.2468	0.0257	0.0000	648.8900
Total	**0.3199**	**1.8530**	**4.0738**	**7.4600e-003**	**0.0615**	**0.0431**	**0.1046**	**6.6400e-003**	**0.0431**	**0.0497**	**0.0000**	**648.2468**	**648.2468**	**0.0257**	**0.0000**	**648.8900**

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	8.1000e-003	0.5222	0.1618	1.9400e-003	0.0714	3.1800e-003	0.0746	0.0196	3.0400e-003	0.0227	0.0000	196.4695	196.4695	0.0146	0.0313	206.1670
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	6.9300e-003	4.3200e-003	0.0833	3.1000e-004	0.0461	1.4000e-004	0.0462	0.0122	1.3000e-004	0.0124	0.0000	28.3463	28.3463	3.9000e-004	5.9000e-004	28.5306
Total	**0.0150**	**0.5266**	**0.2451**	**2.2500e-003**	**0.1175**	**3.3200e-003**	**0.1208**	**0.0319**	**3.1700e-003**	**0.0350**	**0.0000**	**224.8158**	**224.8158**	**0.0150**	**0.0319**	**234.6976**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2034

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					0.0277	0.0000	0.0277	2.9900e-003	0.0000	2.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0641	0.3447	3.5720	6.0500e-003		8.3100e-003	8.3100e-003		8.3100e-003	8.3100e-003	0.0000	535.3865	535.3865	0.0204	0.0000	535.8973
Total	**0.0641**	**0.3447**	**3.5720**	**6.0500e-003**	**0.0277**	**8.3100e-003**	**0.0360**	**2.9900e-003**	**8.3100e-003**	**0.0113**	**0.0000**	**535.3865**	**535.3865**	**0.0204**	**0.0000**	**535.8973**

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	8.1000e-003	0.5222	0.1618	1.9400e-003	0.0714	3.1800e-003	0.0746	0.0196	3.0400e-003	0.0227	0.0000	196.4695	196.4695	0.0146	0.0313	206.1670
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	6.9300e-003	4.3200e-003	0.0833	3.1000e-004	0.0461	1.4000e-004	0.0462	0.0122	1.3000e-004	0.0124	0.0000	28.3463	28.3463	3.9000e-004	5.9000e-004	28.5306
Total	**0.0150**	**0.5266**	**0.2451**	**2.2500e-003**	**0.1175**	**3.3200e-003**	**0.1208**	**0.0319**	**3.1700e-003**	**0.0350**	**0.0000**	**224.8158**	**224.8158**	**0.0150**	**0.0319**	**234.6976**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities Trenching - 2034

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	0.2702	1.4950	3.2552	6.7500e-003		0.0419	0.0419		0.0419	0.0419	0.0000	590.3825	590.3825	0.0216	0.0000	590.9233
Total	**0.2702**	**1.4950**	**3.2552**	**6.7500e-003**		**0.0419**	**0.0419**		**0.0419**	**0.0419**	**0.0000**	**590.3825**	**590.3825**	**0.0216**	**0.0000**	**590.9233**

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	2.8700e-003	1.7900e-003	0.0345	1.3000e-004	0.0191	6.0000e-005	0.0191	5.0600e-003	5.0000e-005	5.1200e-003	0.0000	11.7295	11.7295	1.6000e-004	2.4000e-004	11.8058
Total	**2.8700e-003**	**1.7900e-003**	**0.0345**	**1.3000e-004**	**0.0191**	**6.0000e-005**	**0.0191**	**5.0600e-003**	**5.0000e-005**	**5.1200e-003**	**0.0000**	**11.7295**	**11.7295**	**1.6000e-004**	**2.4000e-004**	**11.8058**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Utilities Trenching - 2034

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	0.0635	0.4088	3.2256	5.8300e-003		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	514.4389	514.4389	0.0187	0.0000	514.9067
Total	**0.0635**	**0.4088**	**3.2256**	**5.8300e-003**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**514.4389**	**514.4389**	**0.0187**	**0.0000**	**514.9067**

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	2.8700e-003	1.7900e-003	0.0345	1.3000e-004	0.0191	6.0000e-005	0.0191	5.0600e-003	5.0000e-005	5.1200e-003	0.0000	11.7295	11.7295	1.6000e-004	2.4000e-004	11.8058
Total	**2.8700e-003**	**1.7900e-003**	**0.0345**	**1.3000e-004**	**0.0191**	**6.0000e-005**	**0.0191**	**5.0600e-003**	**5.0000e-005**	**5.1200e-003**	**0.0000**	**11.7295**	**11.7295**	**1.6000e-004**	**2.4000e-004**	**11.8058**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2034

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	0.0233	0.1238	0.2394	5.3000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003	0.0000	45.3377	45.3377	1.8800e-003	0.0000	45.3847
Total	**0.0233**	**0.1238**	**0.2394**	**5.3000e-004**		**3.0800e-003**	**3.0800e-003**		**3.0800e-003**	**3.0800e-003**	**0.0000**	**45.3377**	**45.3377**	**1.8800e-003**	**0.0000**	**45.3847**

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	1.0300e-003	0.0420	0.0153	1.7000e-004	6.9600e-003	2.0000e-004	7.1600e-003	2.0100e-003	1.9000e-004	2.2000e-003	0.0000	16.5831	16.5831	7.2000e-004	2.4000e-003	17.3151
Worker	6.6500e-003	4.1500e-003	0.0798	3.0000e-004	0.0442	1.4000e-004	0.0443	0.0117	1.3000e-004	0.0119	0.0000	27.1801	27.1801	3.8000e-004	5.6000e-004	27.3568
Total	**7.6800e-003**	**0.0462**	**0.0952**	**4.7000e-004**	**0.0511**	**3.4000e-004**	**0.0515**	**0.0137**	**3.2000e-004**	**0.0141**	**0.0000**	**43.7632**	**43.7632**	**1.1000e-003**	**2.9600e-003**	**44.6719**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2034

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	5.6000e-003	0.0427	0.2652	5.1000e-004		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	43.8712	43.8712	1.7300e-003	0.0000	43.9143
Total	**5.6000e-003**	**0.0427**	**0.2652**	**5.1000e-004**		**6.8000e-004**	**6.8000e-004**		**6.8000e-004**	**6.8000e-004**	**0.0000**	**43.8712**	**43.8712**	**1.7300e-003**	**0.0000**	**43.9143**

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	1.0300e-003	0.0420	0.0153	1.7000e-004	6.9600e-003	2.0000e-004	7.1600e-003	2.0100e-003	1.9000e-004	2.2000e-003	0.0000	16.5831	16.5831	7.2000e-004	2.4000e-003	17.3151
Worker	6.6500e-003	4.1500e-003	0.0798	3.0000e-004	0.0442	1.4000e-004	0.0443	0.0117	1.3000e-004	0.0119	0.0000	27.1801	27.1801	3.8000e-004	5.6000e-004	27.3568
Total	**7.6800e-003**	**0.0462**	**0.0952**	**4.7000e-004**	**0.0511**	**3.4000e-004**	**0.0515**	**0.0137**	**3.2000e-004**	**0.0141**	**0.0000**	**43.7632**	**43.7632**	**1.1000e-003**	**2.9600e-003**	**44.6719**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2035

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	0.3530	1.7343	3.8984	8.7000e-003		0.0325	0.0325		0.0325	0.0325	0.0000	739.5714	739.5714	0.0283	0.0000	740.2777
Total	**0.3530**	**1.7343**	**3.8984**	**8.7000e-003**		**0.0325**	**0.0325**		**0.0325**	**0.0325**	**0.0000**	**739.5714**	**739.5714**	**0.0283**	**0.0000**	**740.2777**

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	0.0168	0.6826	0.2506	2.7100e-003	0.1135	3.2900e-003	0.1168	0.0328	3.1500e-003	0.0359	0.0000	267.0657	267.0657	0.0118	0.0386	278.8614
Worker	0.1033	0.0649	1.2688	4.7800e-003	0.7207	2.1300e-003	0.7229	0.1914	1.9600e-003	0.1934	0.0000	437.9137	437.9137	5.8000e-003	9.0000e-003	440.7418
Total	**0.1201**	**0.7475**	**1.5194**	**7.4900e-003**	**0.8342**	**5.4200e-003**	**0.8397**	**0.2242**	**5.1100e-003**	**0.2293**	**0.0000**	**704.9794**	**704.9794**	**0.0176**	**0.0476**	**719.6032**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2035

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	0.0914	0.6970	4.3266	8.3300e-003		0.0111	0.0111		0.0111	0.0111	0.0000	715.6486	715.6486	0.0258	0.0000	716.2927
Total	**0.0914**	**0.6970**	**4.3266**	**8.3300e-003**		**0.0111**	**0.0111**		**0.0111**	**0.0111**	**0.0000**	**715.6486**	**715.6486**	**0.0258**	**0.0000**	**716.2927**

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	0.0168	0.6826	0.2506	2.7100e-003	0.1135	3.2900e-003	0.1168	0.0328	3.1500e-003	0.0359	0.0000	267.0657	267.0657	0.0118	0.0386	278.8614
Worker	0.1033	0.0649	1.2688	4.7800e-003	0.7207	2.1300e-003	0.7229	0.1914	1.9600e-003	0.1934	0.0000	437.9137	437.9137	5.8000e-003	9.0000e-003	440.7418
Total	**0.1201**	**0.7475**	**1.5194**	**7.4900e-003**	**0.8342**	**5.4200e-003**	**0.8397**	**0.2242**	**5.1100e-003**	**0.2293**	**0.0000**	**704.9794**	**704.9794**	**0.0176**	**0.0476**	**719.6032**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2036

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	0.3544	1.7409	3.9134	8.7300e-003		0.0327	0.0327		0.0327	0.0327	0.0000	742.4050	742.4050	0.0284	0.0000	743.1140
Total	**0.3544**	**1.7409**	**3.9134**	**8.7300e-003**		**0.0327**	**0.0327**		**0.0327**	**0.0327**	**0.0000**	**742.4050**	**742.4050**	**0.0284**	**0.0000**	**743.1140**

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	0.0168	0.6852	0.2516	2.7300e-003	0.1140	3.3000e-003	0.1173	0.0329	3.1600e-003	0.0361	0.0000	268.0889	268.0889	0.0118	0.0387	279.9299
Worker	0.1037	0.0652	1.2736	4.7900e-003	0.7235	2.1300e-003	0.7256	0.1922	1.9600e-003	0.1941	0.0000	439.5916	439.5916	5.8200e-003	9.0400e-003	442.4304
Total	**0.1206**	**0.7504**	**1.5252**	**7.5200e-003**	**0.8374**	**5.4300e-003**	**0.8429**	**0.2251**	**5.1200e-003**	**0.2302**	**0.0000**	**707.6805**	**707.6805**	**0.0176**	**0.0478**	**722.3603**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2036

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	0.0918	0.6997	4.3432	8.3600e-003		0.0112	0.0112		0.0112	0.0112	0.0000	718.3905	718.3905	0.0259	0.0000	719.0372
Total	**0.0918**	**0.6997**	**4.3432**	**8.3600e-003**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**718.3905**	**718.3905**	**0.0259**	**0.0000**	**719.0372**

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	0.0168	0.6852	0.2516	2.7300e-003	0.1140	3.3000e-003	0.1173	0.0329	3.1600e-003	0.0361	0.0000	268.0889	268.0889	0.0118	0.0387	279.9299
Worker	0.1037	0.0652	1.2736	4.7900e-003	0.7235	2.1300e-003	0.7256	0.1922	1.9600e-003	0.1941	0.0000	439.5916	439.5916	5.8200e-003	9.0400e-003	442.4304
Total	**0.1206**	**0.7504**	**1.5252**	**7.5200e-003**	**0.8374**	**5.4300e-003**	**0.8429**	**0.2251**	**5.1200e-003**	**0.2302**	**0.0000**	**707.6805**	**707.6805**	**0.0176**	**0.0478**	**722.3603**

OSP - Phase 3 - Construction - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2037

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	0.1799	0.8837	1.9866	4.4300e-003		0.0166	0.0166		0.0166	0.0166	0.0000	376.8697	376.8697	0.0144	0.0000	377.2296
Total	**0.1799**	**0.8837**	**1.9866**	**4.4300e-003**		**0.0166**	**0.0166**		**0.0166**	**0.0166**	**0.0000**	**376.8697**	**376.8697**	**0.0144**	**0.0000**	**377.2296**

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	8.5500e-003	0.3478	0.1277	1.3800e-003	0.0578	1.6800e-003	0.0595	0.0167	1.6000e-003	0.0183	0.0000	136.0909	136.0909	5.9900e-003	0.0197	142.1018
Worker	0.0527	0.0331	0.6465	2.4300e-003	0.3673	1.0800e-003	0.3684	0.0976	1.0000e-003	0.0985	0.0000	223.1514	223.1514	2.9600e-003	4.5900e-003	224.5926
Total	**0.0612**	**0.3809**	**0.7743**	**3.8100e-003**	**0.4251**	**2.7600e-003**	**0.4279**	**0.1143**	**2.6000e-003**	**0.1168**	**0.0000**	**359.2424**	**359.2424**	**8.9500e-003**	**0.0243**	**366.6943**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Building Construction - 2037

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	0.0466	0.3552	2.2047	4.2400e-003		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	364.6792	364.6792	0.0131	0.0000	365.0074
Total	**0.0466**	**0.3552**	**2.2047**	**4.2400e-003**		**5.6600e-003**	**5.6600e-003**		**5.6600e-003**	**5.6600e-003**	**0.0000**	**364.6792**	**364.6792**	**0.0131**	**0.0000**	**365.0074**

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	8.5500e-003	0.3478	0.1277	1.3800e-003	0.0578	1.6800e-003	0.0595	0.0167	1.6000e-003	0.0183	0.0000	136.0909	136.0909	5.9900e-003	0.0197	142.1018
Worker	0.0527	0.0331	0.6465	2.4300e-003	0.3673	1.0800e-003	0.3684	0.0976	1.0000e-003	0.0985	0.0000	223.1514	223.1514	2.9600e-003	4.5900e-003	224.5926
Total	**0.0612**	**0.3809**	**0.7743**	**3.8100e-003**	**0.4251**	**2.7600e-003**	**0.4279**	**0.1143**	**2.6000e-003**	**0.1168**	**0.0000**	**359.2424**	**359.2424**	**8.9500e-003**	**0.0243**	**366.6943**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2034

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	0.0337	0.2042	0.4171	7.5000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	63.3614	63.3614	2.7400e-003	0.0000	63.4300
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0337**	**0.2042**	**0.4171**	**7.5000e-004**		**7.4300e-003**	**7.4300e-003**		**7.4300e-003**	**7.4300e-003**	**0.0000**	**63.3614**	**63.3614**	**2.7400e-003**	**0.0000**	**63.4300**

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	9.2000e-004	5.8000e-004	0.0111	4.0000e-005	6.1400e-003	2.0000e-005	6.1600e-003	1.6300e-003	2.0000e-005	1.6500e-003	0.0000	3.7750	3.7750	5.0000e-005	8.0000e-005	3.7996
Total	**9.2000e-004**	**5.8000e-004**	**0.0111**	**4.0000e-005**	**6.1400e-003**	**2.0000e-005**	**6.1600e-003**	**1.6300e-003**	**2.0000e-005**	**1.6500e-003**	**0.0000**	**3.7750**	**3.7750**	**5.0000e-005**	**8.0000e-005**	**3.7996**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2034

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	5.4800e-003	0.0422	0.3075	5.0000e-004		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	42.8422	42.8422	1.9800e-003	0.0000	42.8918
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4800e-003**	**0.0422**	**0.3075**	**5.0000e-004**		**6.6000e-004**	**6.6000e-004**		**6.6000e-004**	**6.6000e-004**	**0.0000**	**42.8422**	**42.8422**	**1.9800e-003**	**0.0000**	**42.8918**

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	9.2000e-004	5.8000e-004	0.0111	4.0000e-005	6.1400e-003	2.0000e-005	6.1600e-003	1.6300e-003	2.0000e-005	1.6500e-003	0.0000	3.7750	3.7750	5.0000e-005	8.0000e-005	3.7996
Total	**9.2000e-004**	**5.8000e-004**	**0.0111**	**4.0000e-005**	**6.1400e-003**	**2.0000e-005**	**6.1600e-003**	**1.6300e-003**	**2.0000e-005**	**1.6500e-003**	**0.0000**	**3.7750**	**3.7750**	**5.0000e-005**	**8.0000e-005**	**3.7996**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2035

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	7.2400e-003	0.0403	0.1041	1.9000e-004		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8404	15.8404	5.9000e-004	0.0000	15.8550
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.2400e-003**	**0.0403**	**0.1041**	**1.9000e-004**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**15.8404**	**15.8404**	**5.9000e-004**	**0.0000**	**15.8550**

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	2.2000e-004	1.4000e-004	2.7000e-003	1.0000e-005	1.5300e-003	0.0000	1.5400e-003	4.1000e-004	0.0000	4.1000e-004	0.0000	0.9321	0.9321	1.0000e-005	2.0000e-005	0.9382
Total	**2.2000e-004**	**1.4000e-004**	**2.7000e-003**	**1.0000e-005**	**1.5300e-003**	**0.0000**	**1.5400e-003**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**0.9321**	**0.9321**	**1.0000e-005**	**2.0000e-005**	**0.9382**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2035

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	1.3700e-003	0.0106	0.0769	1.2000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	10.7106	10.7106	4.1000e-004	0.0000	10.7209
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3700e-003**	**0.0106**	**0.0769**	**1.2000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**10.7106**	**10.7106**	**4.1000e-004**	**0.0000**	**10.7209**

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	2.2000e-004	1.4000e-004	2.7000e-003	1.0000e-005	1.5300e-003	0.0000	1.5400e-003	4.1000e-004	0.0000	4.1000e-004	0.0000	0.9321	0.9321	1.0000e-005	2.0000e-005	0.9382
Total	**2.2000e-004**	**1.4000e-004**	**2.7000e-003**	**1.0000e-005**	**1.5300e-003**	**0.0000**	**1.5400e-003**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**0.0000**	**0.9321**	**0.9321**	**1.0000e-005**	**2.0000e-005**	**0.9382**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - Phase 3 - 2036

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	0.5885					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0530	0.3413	0.5456	1.0000e-003		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003	0.0000	78.5486	78.5486	4.2700e-003	0.0000	78.6553
Total	**0.6415**	**0.3413**	**0.5456**	**1.0000e-003**		**8.9000e-003**	**8.9000e-003**		**8.9000e-003**	**8.9000e-003**	**0.0000**	**78.5486**	**78.5486**	**4.2700e-003**	**0.0000**	**78.6553**

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	6.6600e-003	4.1900e-003	0.0818	3.1000e-004	0.0465	1.4000e-004	0.0466	0.0124	1.3000e-004	0.0125	0.0000	28.2435	28.2435	3.7000e-004	5.8000e-004	28.4259
Total	**6.6600e-003**	**4.1900e-003**	**0.0818**	**3.1000e-004**	**0.0465**	**1.4000e-004**	**0.0466**	**0.0124**	**1.3000e-004**	**0.0125**	**0.0000**	**28.2435**	**28.2435**	**3.7000e-004**	**5.8000e-004**	**28.4259**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - Phase 3 - 2036

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	0.5885					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6600e-003	0.0288	0.4105	7.6000e-004		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	63.1504	63.1504	2.6700e-003	0.0000	63.2171
Total	**0.5952**	**0.0288**	**0.4105**	**7.6000e-004**		**8.9000e-004**	**8.9000e-004**		**8.9000e-004**	**8.9000e-004**	**0.0000**	**63.1504**	**63.1504**	**2.6700e-003**	**0.0000**	**63.2171**

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	6.6600e-003	4.1900e-003	0.0818	3.1000e-004	0.0465	1.4000e-004	0.0466	0.0124	1.3000e-004	0.0125	0.0000	28.2435	28.2435	3.7000e-004	5.8000e-004	28.4259
Total	**6.6600e-003**	**4.1900e-003**	**0.0818**	**3.1000e-004**	**0.0465**	**1.4000e-004**	**0.0466**	**0.0124**	**1.3000e-004**	**0.0125**	**0.0000**	**28.2435**	**28.2435**	**3.7000e-004**	**5.8000e-004**	**28.4259**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - Phase 3 - 2037

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	1.7656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1589	1.0240	1.6369	2.9900e-003		0.0267	0.0267		0.0267	0.0267	0.0000	235.6457	235.6457	0.0128	0.0000	235.9658
Total	**1.9245**	**1.0240**	**1.6369**	**2.9900e-003**		**0.0267**	**0.0267**		**0.0267**	**0.0267**	**0.0000**	**235.6457**	**235.6457**	**0.0128**	**0.0000**	**235.9658**

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	0.0200	0.0126	0.2455	9.2000e-004	0.1395	4.1000e-004	0.1399	0.0370	3.8000e-004	0.0374	0.0000	84.7304	84.7304	1.1200e-003	1.7400e-003	85.2776
Total	**0.0200**	**0.0126**	**0.2455**	**9.2000e-004**	**0.1395**	**4.1000e-004**	**0.1399**	**0.0370**	**3.8000e-004**	**0.0374**	**0.0000**	**84.7304**	**84.7304**	**1.1200e-003**	**1.7400e-003**	**85.2776**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Architectural Coating - Phase 3 - 2037

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	1.7656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.0865	1.2314	2.2700e-003		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	189.4512	189.4512	8.0100e-003	0.0000	189.6514
Total	**1.7856**	**0.0865**	**1.2314**	**2.2700e-003**		**2.6600e-003**	**2.6600e-003**		**2.6600e-003**	**2.6600e-003**	**0.0000**	**189.4512**	**189.4512**	**8.0100e-003**	**0.0000**	**189.6514**

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	0.0200	0.0126	0.2455	9.2000e-004	0.1395	4.1000e-004	0.1399	0.0370	3.8000e-004	0.0374	0.0000	84.7304	84.7304	1.1200e-003	1.7400e-003	85.2776
Total	**0.0200**	**0.0126**	**0.2455**	**9.2000e-004**	**0.1395**	**4.1000e-004**	**0.1399**	**0.0370**	**3.8000e-004**	**0.0374**	**0.0000**	**84.7304**	**84.7304**	**1.1200e-003**	**1.7400e-003**	**85.2776**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - P3 SB - AC emiss. - 2036

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	0.4201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.4201**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - P3 SB - AC emiss. - 2036

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	0.4201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.4201**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - P3 SB - AC emiss. - 2037

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	1.2602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**1.2602**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - P3 SB - AC emiss. - 2037

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	1.2602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**1.2602**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
City Park	0.00	0.00	0.00		
Condo/Townhouse	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		
Strip Mall	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
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
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Condo/Townhouse	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Enclosed Parking with Elevator	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Strip Mall	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	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
Strip Mall	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	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
Strip Mall	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	2.5049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	2.5049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5049					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	0.0000	0.0000	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	**2.5049**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5049					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	0.0000	0.0000	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	**2.5049**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Boilers

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Operational 327 Harbor Site

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	47.00	Dwelling Unit	0.56	66,210.00	114

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	279.62	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions - Operational Emissions Only

Land Use - Per project plans

Construction Phase - Construction modeled separately

Off-road Equipment - Construction Modeled Separately

Trips and VMT - Construction modeled separately

Architectural Coating - Construction modeled separately

Vehicle Trips - See Assumptions

Woodstoves - See Assumptions

Area Coating -

Energy Use - All Electric Residences

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	44,692.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	134,075.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	39.95	0.00
tblFireplaces	NumberNoFireplace	4.70	47.00
tblFireplaces	NumberWood	2.35	0.00
tblLandUse	LandUseSquareFeet	47,000.00	66,210.00
tblLandUse	LotAcreage	1.24	0.56
tblLandUse	Population	134.00	114.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	390.98	279.62
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblSolidWaste	SolidWasteGenerationRate	21.62	16.91
tblTripsAndVMT	WorkerTripNumber	7.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	5.34
tblVehicleTrips	HS_TL	5.90	5.34

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	HW_TL	14.70	5.34
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	6.25
tblVehicleTrips	SU_TR	4.09	6.25
tblVehicleTrips	WD_TR	5.44	6.25
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	3,062,239.20	980,510.30
tblWater	OutdoorWaterUseRate	1,930,542.11	618,147.79
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.35	0.00
tblWoodstoves	NumberNoncatalytic	2.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

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	0.2745	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.5771	38.5771	0.0000	0.0000	38.5771
Mobile	0.1141	0.1109	1.0062	1.9900e-003	0.2145	1.5200e-003	0.2161	0.0572	1.4200e-003	0.0587	0.0000	189.0993	189.0993	0.0147	8.9900e-003	192.1468
Waste						0.0000	0.0000		0.0000	0.0000	3.4326	0.0000	3.4326	0.2029	0.0000	8.5041
Water						0.0000	0.0000		0.0000	0.0000	0.3469	2.4904	2.8373	9.9600e-003	7.5000e-004	3.3111
Total	**0.3886**	**0.1165**	**1.4905**	**2.0200e-003**	**0.2145**	**4.2100e-003**	**0.2188**	**0.0572**	**4.1100e-003**	**0.0613**	**3.7795**	**230.9586**	**234.7380**	**0.2283**	**9.7400e-003**	**243.3498**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.2745	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.5771	38.5771	0.0000	0.0000	38.5771
Mobile	0.1141	0.1109	1.0062	1.9900e-003	0.2145	1.5200e-003	0.2161	0.0572	1.4200e-003	0.0587	0.0000	189.0993	189.0993	0.0147	8.9900e-003	192.1468
Waste						0.0000	0.0000		0.0000	0.0000	3.4326	0.0000	3.4326	0.2029	0.0000	8.5041
Water						0.0000	0.0000		0.0000	0.0000	0.3469	2.4904	2.8373	9.9600e-003	7.5000e-004	3.3111
Total	**0.3886**	**0.1165**	**1.4905**	**2.0200e-003**	**0.2145**	**4.2100e-003**	**0.2188**	**0.0572**	**4.1100e-003**	**0.0613**	**3.7795**	**230.9586**	**234.7380**	**0.2283**	**9.7400e-003**	**243.3498**

	ROG	NOx	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	Architectural Coating	Architectural Coating	7/28/2022	7/28/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	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
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 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					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

OSP - Operational 327 Harbor Site - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1141	0.1109	1.0062	1.9900e-003	0.2145	1.5200e-003	0.2161	0.0572	1.4200e-003	0.0587	0.0000	189.0993	189.0993	0.0147	8.9900e-003	192.1468
Unmitigated	0.1141	0.1109	1.0062	1.9900e-003	0.2145	1.5200e-003	0.2161	0.0572	1.4200e-003	0.0587	0.0000	189.0993	189.0993	0.0147	8.9900e-003	192.1468

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	293.75	293.75	293.75	570,980	570,980
Total	293.75	293.75	293.75	570,980	570,980

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	5.34	5.34	5.34	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.540171	0.064547	0.189075	0.126673	0.023412	0.006384	0.010926	0.008089	0.000929	0.000597	0.025155	0.000706	0.003335

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive 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	38.5771	38.5771	0.0000	0.0000	38.5771
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	38.5771	38.5771	0.0000	0.0000	38.5771
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

OSP - Operational 327 Harbor Site - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

OSP - Operational 327 Harbor Site - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	304156	38.5771	0.0000	0.0000	38.5771
Total		**38.5771**	**0.0000**	**0.0000**	**38.5771**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	304156	38.5771	0.0000	0.0000	38.5771
Total		**38.5771**	**0.0000**	**0.0000**	**38.5771**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	0.2745	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Unmitigated	0.2745	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107

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	0.0207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2393					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	0.0145	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Total	**0.2745**	**5.5800e-003**	**0.4842**	**3.0000e-005**		**2.6900e-003**	**2.6900e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**0.7917**	**0.7917**	**7.6000e-004**	**0.0000**	**0.8107**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2393					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	0.0145	5.5800e-003	0.4842	3.0000e-005		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	0.7917	0.7917	7.6000e-004	0.0000	0.8107
Total	**0.2745**	**5.5800e-003**	**0.4842**	**3.0000e-005**		**2.6900e-003**	**2.6900e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**0.7917**	**0.7917**	**7.6000e-004**	**0.0000**	**0.8107**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.8373	9.9600e-003	7.5000e-004	3.3111
Unmitigated	2.8373	9.9600e-003	7.5000e-004	3.3111

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0.98051 / 0.618148	2.8373	9.9600e-003	7.5000e-004	3.3111
Total		**2.8373**	**9.9600e-003**	**7.5000e-004**	**3.3111**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0.98051 / 0.618148	2.8373	9.9600e-003	7.5000e-004	3.3111
Total		**2.8373**	**9.9600e-003**	**7.5000e-004**	**3.3111**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.4326	0.2029	0.0000	8.5041
Unmitigated	3.4326	0.2029	0.0000	8.5041

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	16.91	3.4326	0.2029	0.0000	8.5041
Total		**3.4326**	**0.2029**	**0.0000**	**8.5041**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	16.91	3.4326	0.2029	0.0000	8.5041
Total		**3.4326**	**0.2029**	**0.0000**	**8.5041**

9.0 Operational Offroad

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Phase 1 Scenario A - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Phase 1 Scenario A - Operational

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.00	1000sqft	0.00	32,000.00	0
Enclosed Parking with Elevator	587.00	Space	0.00	235,305.00	0
City Park	1.50	Acre	1.50	65,340.00	0
Apartments Mid Rise	343.00	Dwelling Unit	5.81	343,000.00	830
Condo/Townhouse	32.00	Dwelling Unit	0.00	32,000.00	77

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	128.7	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction modeled separately

Off-road Equipment - Construction Modeled Separately

Off-road Equipment - Just architectural coating emissions for Phase 1 B as equipment and timing would be the same for Scenario B just different number of units and sqft of comm/retail

Trips and VMT - Construction Modeled Separately

Demolition - See Assumptions

OSP - Phase 1 Scenario A - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading -

Architectural Coating - Construction Modeled Separately

Vehicle Trips - See Assumptions

Road Dust - See Assumptions

Woodstoves - No Hearths at all in project

Consumer Products -

Area Coating -

Landscape Equipment -

Energy Use - See Assumptions for conversion of NG to KWh for residential

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	36,487.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	109,461.00	0.00
tblArchitecturalCoating	ConstArea_Parking	14,118.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	253,125.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	759,375.00	0.00
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24E	3,795.01	5,210.84
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24E	39.19	3,603.70

OSP - Phase 1 Scenario A - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24NG	4,179.80	0.00
tblEnergyUse	T24NG	12,162.60	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	291.55	0.00
tblFireplaces	NumberGas	27.20	0.00
tblFireplaces	NumberNoFireplace	34.30	343.00
tblFireplaces	NumberNoFireplace	3.20	23.00
tblFireplaces	NumberWood	17.15	0.00
tblFireplaces	NumberWood	1.60	0.00
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblLandUse	LandUseSquareFeet	234,800.00	235,305.00
tblLandUse	LotAcreage	0.73	0.00
tblLandUse	LotAcreage	5.28	0.00
tblLandUse	LotAcreage	9.03	5.81
tblLandUse	LotAcreage	2.00	0.00
tblLandUse	Population	981.00	830.00
tblLandUse	Population	92.00	77.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	390.98	128.7
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblSolidWaste	SolidWasteGenerationRate	157.78	118.34

OSP - Phase 1 Scenario A - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblSolidWaste	SolidWasteGenerationRate	0.13	0.10
tblSolidWaste	SolidWasteGenerationRate	14.72	11.04
tblSolidWaste	SolidWasteGenerationRate	29.76	22.32
tblTripsAndVMT	WorkerTripNumber	81.00	0.00
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	1.53	1.56
tblVehicleEF	LDA	213.05	229.30
tblVehicleEF	LDA	41.40	44.58
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	1.0870e-003	1.1040e-003
tblVehicleEF	LDA	1.1890e-003	1.2080e-003
tblVehicleEF	LDA	1.0000e-003	1.0150e-003
tblVehicleEF	LDA	1.0940e-003	1.1110e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	4.2060e-003	4.2230e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	6.1060e-003	6.1310e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.51	0.52
tblVehicleEF	LDA	1.31	1.33
tblVehicleEF	LDA	222.71	239.71

OSP - Phase 1 Scenario A - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	41.01	44.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	1.0870e-003	1.1040e-003
tblVehicleEF	LDA	1.1890e-003	1.2080e-003
tblVehicleEF	LDA	1.0000e-003	1.0150e-003
tblVehicleEF	LDA	1.0940e-003	1.1110e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	4.4720e-003	4.4900e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	6.4940e-003	6.5200e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.45	0.46
tblVehicleEF	LDA	1.58	1.61
tblVehicleEF	LDA	209.52	225.50
tblVehicleEF	LDA	41.48	44.67
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	1.0870e-003	1.1040e-003
tblVehicleEF	LDA	1.1890e-003	1.2080e-003
tblVehicleEF	LDA	1.0000e-003	1.0150e-003
tblVehicleEF	LDA	1.0940e-003	1.1110e-003

OSP - Phase 1 Scenario A - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	4.1210e-003	4.1370e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	5.9810e-003	6.0050e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDT1	0.67	0.68
tblVehicleEF	LDT1	1.65	1.68
tblVehicleEF	LDT1	256.80	276.56
tblVehicleEF	LDT1	50.20	54.07
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	1.3530e-003	1.3740e-003
tblVehicleEF	LDT1	1.4220e-003	1.4450e-003
tblVehicleEF	LDT1	1.2440e-003	1.2630e-003
tblVehicleEF	LDT1	1.3080e-003	1.3280e-003
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.06

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.73	0.74
tblVehicleEF	LDT1	1.41	1.44
tblVehicleEF	LDT1	266.61	287.14
tblVehicleEF	LDT1	49.77	53.60
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	1.3530e-003	1.3740e-003
tblVehicleEF	LDT1	1.4220e-003	1.4450e-003
tblVehicleEF	LDT1	1.2440e-003	1.2630e-003
tblVehicleEF	LDT1	1.3080e-003	1.3280e-003
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.64	0.65
tblVehicleEF	LDT1	1.71	1.74

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	253.20	272.69
tblVehicleEF	LDT1	50.30	54.17
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	1.3530e-003	1.3740e-003
tblVehicleEF	LDT1	1.4220e-003	1.4450e-003
tblVehicleEF	LDT1	1.2440e-003	1.2630e-003
tblVehicleEF	LDT1	1.3080e-003	1.3280e-003
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	9.9150e-003	9.9560e-003
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT2	0.63	0.64
tblVehicleEF	LDT2	2.01	2.04
tblVehicleEF	LDT2	259.61	279.42
tblVehicleEF	LDT2	50.91	54.83
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.15	0.15
tblVehicleEF	LDT2	1.2230e-003	1.2410e-003
tblVehicleEF	LDT2	1.2540e-003	1.2740e-003
tblVehicleEF	LDT2	1.1260e-003	1.1430e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	1.1530e-003	1.1710e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	8.3670e-003	8.4010e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.69	0.70
tblVehicleEF	LDT2	1.71	1.74
tblVehicleEF	LDT2	268.60	289.11
tblVehicleEF	LDT2	50.39	54.27
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	1.2230e-003	1.2410e-003
tblVehicleEF	LDT2	1.2540e-003	1.2740e-003
tblVehicleEF	LDT2	1.1260e-003	1.1430e-003
tblVehicleEF	LDT2	1.1530e-003	1.1710e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	8.8690e-003	8.9050e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.14	0.14

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.15	0.15
tblVehicleEF	LDT2	0.61	0.62
tblVehicleEF	LDT2	2.07	2.11
tblVehicleEF	LDT2	256.31	275.87
tblVehicleEF	LDT2	51.02	54.95
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.15	0.15
tblVehicleEF	LDT2	1.2230e-003	1.2410e-003
tblVehicleEF	LDT2	1.2540e-003	1.2740e-003
tblVehicleEF	LDT2	1.1260e-003	1.1430e-003
tblVehicleEF	LDT2	1.1530e-003	1.1710e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	8.2040e-003	8.2380e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LHD2	6.8000e-005	6.7000e-005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.64	0.65
tblVehicleEF	MDV	2.05	2.08
tblVehicleEF	MDV	317.45	341.15
tblVehicleEF	MDV	60.83	65.51
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	1.2220e-003	1.2400e-003
tblVehicleEF	MDV	1.2380e-003	1.2570e-003
tblVehicleEF	MDV	1.1260e-003	1.1430e-003
tblVehicleEF	MDV	1.1380e-003	1.1560e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	9.2500e-003	9.2880e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.70	0.71
tblVehicleEF	MDV	1.75	1.78
tblVehicleEF	MDV	326.49	350.88
tblVehicleEF	MDV	60.29	64.94
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	1.2220e-003	1.2400e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	1.2380e-003	1.2570e-003
tblVehicleEF	MDV	1.1260e-003	1.1430e-003
tblVehicleEF	MDV	1.1380e-003	1.1560e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	9.8070e-003	9.8470e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.61	0.62
tblVehicleEF	MDV	2.11	2.15
tblVehicleEF	MDV	314.14	337.59
tblVehicleEF	MDV	60.95	65.64
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	1.2220e-003	1.2400e-003
tblVehicleEF	MDV	1.2380e-003	1.2570e-003
tblVehicleEF	MDV	1.1260e-003	1.1430e-003
tblVehicleEF	MDV	1.1380e-003	1.1560e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	9.0710e-003	9.1080e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.19	0.19
tblVehicleTrips	CC_TL	8.40	12.90
tblVehicleTrips	CNW_TL	6.90	12.90
tblVehicleTrips	CW_TL	16.60	12.90
tblVehicleTrips	HO_TL	8.70	6.02
tblVehicleTrips	HO_TL	8.70	6.02
tblVehicleTrips	HS_TL	5.90	6.02
tblVehicleTrips	HS_TL	5.90	6.02
tblVehicleTrips	HW_TL	14.70	6.02
tblVehicleTrips	HW_TL	14.70	6.02
tblVehicleTrips	ST_TR	4.91	6.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	6.25
tblVehicleTrips	ST_TR	2.21	28.79
tblVehicleTrips	SU_TR	4.09	6.25
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	6.25
tblVehicleTrips	SU_TR	0.70	28.79
tblVehicleTrips	WD_TR	5.44	6.25
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	6.25
tblVehicleTrips	WD_TR	9.74	28.79

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	22,347,830.79	7,823,220.44
tblWater	IndoorWaterUseRate	2,084,928.82	0.00
tblWater	IndoorWaterUseRate	0.00	27,865.20
tblWater	IndoorWaterUseRate	5,687,479.94	536,053.67
tblWater	OutdoorWaterUseRate	14,088,849.84	4,932,030.26
tblWater	OutdoorWaterUseRate	1,787,222.02	1,586,081.85
tblWater	OutdoorWaterUseRate	1,314,411.65	0.00
tblWater	OutdoorWaterUseRate	0.00	17,567.19
tblWater	OutdoorWaterUseRate	3,485,874.80	328,549.02
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	17.15	0.00
tblWoodstoves	NumberCatalytic	1.60	0.00
tblWoodstoves	NumberNoncatalytic	17.15	0.00
tblWoodstoves	NumberNoncatalytic	1.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWoodstoves	WoodstoveDayYear	25.00	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					
2024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	1.9047	0.0445	3.8649	2.0000e-004		0.0215	0.0215		0.0215	0.0215	0.0000	6.3325	6.3325	6.0600e-003	0.0000	6.4839
Energy	1.7800e-003	0.0162	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	263.5991	263.5991	3.4000e-004	3.2000e-004	263.7038
Mobile	1.2338	1.1866	11.6622	0.0244	3.0439	0.0159	3.0598	0.8123	0.0148	0.8271	0.0000	2,397.9441	2,397.9441	0.1691	0.1036	2,433.0542
Waste						0.0000	0.0000		0.0000	0.0000	30.8140	0.0000	30.8140	1.8211	0.0000	76.3405
Water						0.0000	0.0000		0.0000	0.0000	2.9674	10.8273	13.7947	0.0852	6.4500e-003	17.8475
Total	**3.1403**	**1.2473**	**15.5407**	**0.0247**	**3.0439**	**0.0386**	**3.0825**	**0.8123**	**0.0375**	**0.8498**	**33.7814**	**2,678.7030**	**2,712.4844**	**2.0817**	**0.1104**	**2,797.4298**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.9047	0.0445	3.8649	2.0000e-004		0.0215	0.0215		0.0215	0.0215	0.0000	6.3325	6.3325	6.0600e-003	0.0000	6.4839
Energy	1.7800e-003	0.0162	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	263.5991	263.5991	3.4000e-004	3.2000e-004	263.7038
Mobile	1.2338	1.1866	11.6622	0.0244	3.0439	0.0159	3.0598	0.8123	0.0148	0.8271	0.0000	2,397.9441	2,397.9441	0.1691	0.1036	2,433.0542
Waste						0.0000	0.0000		0.0000	0.0000	30.8140	0.0000	30.8140	1.8211	0.0000	76.3405
Water						0.0000	0.0000		0.0000	0.0000	2.9674	10.8273	13.7947	0.0852	6.4500e-003	17.8475
Total	**3.1403**	**1.2473**	**15.5407**	**0.0247**	**3.0439**	**0.0386**	**3.0825**	**0.8123**	**0.0375**	**0.8498**	**33.7814**	**2,678.7030**	**2,712.4844**	**2.0817**	**0.1104**	**2,797.4298**

	ROG	NOx	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	Architectural Coating - P1A Equip & AC	Architectural Coating	1/1/2024	1/1/2024	5	1	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating - P1A Equip & AC	Air Compressors	0	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
Architectural Coating - P1A Equip & AC	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - P1A Equip & AC - 2024

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - P1A Equip & AC - 2024

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.2338	1.1866	11.6622	0.0244	3.0439	0.0159	3.0598	0.8123	0.0148	0.8271	0.0000	2,397.9441	2,397.9441	0.1691	0.1036	2,433.0542
Unmitigated	1.2338	1.1866	11.6622	0.0244	3.0439	0.0159	3.0598	0.8123	0.0148	0.8271	0.0000	2,397.9441	2,397.9441	0.1691	0.1036	2,433.0542

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,143.75	2,143.75	2143.75	4,171,422	4,171,422
City Park	0.00	0.00	0.00		
Condo/Townhouse	200.00	200.00	200.00	389,171	389,171
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	921.28	921.28	921.28	3,537,816	3,537,816
Total	3,265.03	3,265.03	3,265.03	8,098,409	8,098,409

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	6.02	6.02	6.02	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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	6.02	6.02	6.02	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.90	12.90	12.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
City Park	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Condo/Townhouse	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	245.9933	245.9933	0.0000	0.0000	245.9933
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	245.9933	245.9933	0.0000	0.0000	245.9933
NaturalGas Mitigated	1.7800e-003	0.0162	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.6058	17.6058	3.4000e-004	3.2000e-004	17.7104
NaturalGas Unmitigated	1.7800e-003	0.0162	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.6058	17.6058	3.4000e-004	3.2000e-004	17.7104

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	329920	1.7800e-003	0.0162	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.6058	17.6058	3.4000e-004	3.2000e-004	17.7104
Total		**1.7800e-003**	**0.0162**	**0.0136**	**1.0000e-004**		**1.2300e-003**	**1.2300e-003**		**1.2300e-003**	**1.2300e-003**	**0.0000**	**17.6058**	**17.6058**	**3.4000e-004**	**3.2000e-004**	**17.7104**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	329920	1.7800e-003	0.0162	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.6058	17.6058	3.4000e-004	3.2000e-004	17.7104
Total		**1.7800e-003**	**0.0162**	**0.0136**	**1.0000e-004**		**1.2300e-003**	**1.2300e-003**		**1.2300e-003**	**1.2300e-003**	**0.0000**	**17.6058**	**17.6058**	**3.4000e-004**	**3.2000e-004**	**17.7104**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.21969e+006	129.5796	0.0000	0.0000	129.5796
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	314100	18.3364	0.0000	0.0000	18.3364
Enclosed Parking with Elevator	1.28006e+006	74.7265	0.0000	0.0000	74.7265
General Office Building	400000	23.3509	0.0000	0.0000	23.3509
Total		**245.9934**	**0.0000**	**0.0000**	**245.9934**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.21969e+006	129.5796	0.0000	0.0000	129.5796
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	314100	18.3364	0.0000	0.0000	18.3364
Enclosed Parking with Elevator	1.28006e+006	74.7265	0.0000	0.0000	74.7265
General Office Building	400000	23.3509	0.0000	0.0000	23.3509
Total		**245.9934**	**0.0000**	**0.0000**	**245.9934**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	1.9047	0.0445	3.8649	2.0000e-004		0.0215	0.0215		0.0215	0.0215	0.0000	6.3325	6.3325	6.0600e-003	0.0000	6.4839
Unmitigated	1.9047	0.0445	3.8649	2.0000e-004		0.0215	0.0215		0.0215	0.0215	0.0000	6.3325	6.3325	6.0600e-003	0.0000	6.4839

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	0.1544					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6342					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	0.1161	0.0445	3.8649	2.0000e-004		0.0215	0.0215		0.0215	0.0215	0.0000	6.3325	6.3325	6.0600e-003	0.0000	6.4839
Total	**1.9047**	**0.0445**	**3.8649**	**2.0000e-004**		**0.0215**	**0.0215**		**0.0215**	**0.0215**	**0.0000**	**6.3325**	**6.3325**	**6.0600e-003**	**0.0000**	**6.4839**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1544					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6342					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	0.1161	0.0445	3.8649	2.0000e-004		0.0215	0.0215		0.0215	0.0215	0.0000	6.3325	6.3325	6.0600e-003	0.0000	6.4839
Total	**1.9047**	**0.0445**	**3.8649**	**2.0000e-004**		**0.0215**	**0.0215**		**0.0215**	**0.0215**	**0.0000**	**6.3325**	**6.3325**	**6.0600e-003**	**0.0000**	**6.4839**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.7947	0.0852	6.4500e-003	17.8475
Unmitigated	13.7947	0.0852	6.4500e-003	17.8475

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	7.82322 / 4.93203	11.9133	0.0795	6.0200e-003	15.6936
City Park	0 / 1.58608	1.0287	0.0000	0.0000	1.0287
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0278652 / 0.0175672	0.0424	2.8000e-004	2.0000e-005	0.0559
General Office Building	0.536054 / 0.328549	0.8102	5.4400e-003	4.1000e-004	1.0693
Total		**13.7947**	**0.0852**	**6.4500e-003**	**17.8475**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	7.82322 / 4.93203	11.9133	0.0795	6.0200e-003	15.6936
City Park	0 / 1.58608	1.0287	0.0000	0.0000	1.0287
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0278652 / 0.0175672	0.0424	2.8000e-004	2.0000e-005	0.0559
General Office Building	0.536054 / 0.328549	0.8102	5.4400e-003	4.1000e-004	1.0693
Total		**13.7947**	**0.0852**	**6.4500e-003**	**17.8475**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	30.8140	1.8211	0.0000	76.3405
Unmitigated	30.8140	1.8211	0.0000	76.3405

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	118.34	24.0220	1.4197	0.0000	59.5134
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
Condo/Townhouse	11.04	2.2410	0.1324	0.0000	5.5520
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	22.32	4.5308	0.2678	0.0000	11.2248
Total		**30.8140**	**1.8211**	**0.0000**	**76.3405**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	118.34	24.0220	1.4197	0.0000	59.5134
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
Condo/Townhouse	11.04	2.2410	0.1324	0.0000	5.5520
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	22.32	4.5308	0.2678	0.0000	11.2248
Total		**30.8140**	**1.8211**	**0.0000**	**76.3405**

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

Boilers

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Phase 1 Scenario B - Operational

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	39.00	1000sqft	0.00	39,000.00	0
Enclosed Parking with Elevator	720.00	Space	0.00	282,366.00	0
City Park	1.50	Acre	1.50	65,340.00	0
Apartments Mid Rise	418.00	Dwelling Unit	5.81	418,000.00	1012
Condo/Townhouse	32.00	Dwelling Unit	0.00	32,000.00	77

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	128.7	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction modeled separately

Off-road Equipment - Construction Modeled Separately

Off-road Equipment - Just architectural coating emissions for Phase 1 B as equipment and timing would be the same for Scenario B just different number of units and sqft of comm/retail

Trips and VMT - Construction Modeled Separately

Demolition - See Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading -

Architectural Coating - Construction Modeled Separately

Vehicle Trips - See Assumptions

Road Dust - See Assumptions

Woodstoves - No Hearths at all in project

Consumer Products -

Area Coating - Based on parking are size

Landscape Equipment -

Energy Use - See Assumptions for conversion of NG to KWh for residential

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,085.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	132,254.00	0.00
tblArchitecturalCoating	ConstArea_Parking	16,942.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	303,750.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	911,250.00	0.00
tblAreaCoating	Area_Parking	16942	17280
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24E	3,795.01	5,210.84
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24E	39.19	3,603.70
tblEnergyUse	T24NG	4,179.80	0.00
tblEnergyUse	T24NG	12,162.60	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	355.30	0.00
tblFireplaces	NumberGas	27.20	0.00
tblFireplaces	NumberNoFireplace	41.80	418.00
tblFireplaces	NumberNoFireplace	3.20	32.00
tblFireplaces	NumberWood	20.90	0.00
tblFireplaces	NumberWood	1.60	0.00
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LDT2	0.19	0.19
tblLandUse	LandUseSquareFeet	288,000.00	282,366.00
tblLandUse	LotAcreage	0.90	0.00
tblLandUse	LotAcreage	6.48	0.00
tblLandUse	LotAcreage	11.00	5.81
tblLandUse	LotAcreage	2.00	0.00
tblLandUse	Population	1,195.00	1,012.00
tblLandUse	Population	92.00	77.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	390.98	128.7
tblProjectCharacteristics	N2OIntensityFactor	0.004	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblSolidWaste	SolidWasteGenerationRate	192.28	144.21
tblSolidWaste	SolidWasteGenerationRate	0.13	0.10
tblSolidWaste	SolidWasteGenerationRate	14.72	11.04
tblSolidWaste	SolidWasteGenerationRate	36.27	27.20
tblTripsAndVMT	WorkerTripNumber	97.00	0.00
tblVehicleTrips	CC_TL	8.40	12.85
tblVehicleTrips	CNW_TL	6.90	12.85
tblVehicleTrips	CW_TL	16.60	12.85
tblVehicleTrips	HO_TL	8.70	6.01
tblVehicleTrips	HO_TL	8.70	6.01
tblVehicleTrips	HS_TL	5.90	6.01
tblVehicleTrips	HS_TL	5.90	6.01
tblVehicleTrips	HW_TL	14.70	6.01
tblVehicleTrips	HW_TL	14.70	6.01
tblVehicleTrips	ST_TR	4.91	6.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	6.25
tblVehicleTrips	ST_TR	2.21	28.79
tblVehicleTrips	SU_TR	4.09	6.25
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	6.25
tblVehicleTrips	SU_TR	0.70	28.79
tblVehicleTrips	WD_TR	5.44	6.25
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	6.25
tblVehicleTrips	WD_TR	9.74	28.79
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	27,234,382.71	9,387,864.53
tblWater	IndoorWaterUseRate	2,084,928.82	0.00
tblWater	IndoorWaterUseRate	0.00	27,865.20
tblWater	IndoorWaterUseRate	6,931,616.17	653,315.41
tblWater	OutdoorWaterUseRate	17,169,502.14	5,918,436.61
tblWater	OutdoorWaterUseRate	1,787,222.02	1,586,081.85
tblWater	OutdoorWaterUseRate	1,314,411.65	0.00
tblWater	OutdoorWaterUseRate	0.00	17,567.19
tblWater	OutdoorWaterUseRate	4,248,409.91	400,419.12
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	20.90	0.00
tblWoodstoves	NumberCatalytic	1.60	0.00
tblWoodstoves	NumberNoncatalytic	20.90	0.00
tblWoodstoves	NumberNoncatalytic	1.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

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	2.2881	0.0534	4.6381	2.5000e-004		0.0258	0.0258		0.0258	0.0258	0.0000	7.5994	7.5994	7.2700e-003	0.0000	7.7811
Energy	2.1700e-003	0.0197	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	315.8374	315.8374	4.1000e-004	3.9000e-004	315.9649
Mobile	1.4842	1.4275	13.9196	0.0294	3.6679	0.0189	3.6869	0.9788	0.0176	0.9964	0.0000	2,721.3453	2,721.3453	0.2038	0.1249	2,763.6555
Waste						0.0000	0.0000		0.0000	0.0000	37.0560	0.0000	37.0560	2.1900	0.0000	91.8047
Water						0.0000	0.0000		0.0000	0.0000	3.5624	12.7921	16.3546	0.1023	7.7500e-003	21.2201
Total	**3.7745**	**1.5006**	**18.5743**	**0.0298**	**3.6679**	**0.0462**	**3.7142**	**0.9788**	**0.0449**	**1.0237**	**40.6184**	**3,057.5742**	**3,098.1926**	**2.5037**	**0.1330**	**3,200.4263**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.2881	0.0534	4.6381	2.5000e-004		0.0258	0.0258		0.0258	0.0258	0.0000	7.5994	7.5994	7.2700e-003	0.0000	7.7811
Energy	2.1700e-003	0.0197	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	315.8374	315.8374	4.1000e-004	3.9000e-004	315.9649
Mobile	1.4842	1.4275	13.9196	0.0294	3.6679	0.0189	3.6869	0.9788	0.0176	0.9964	0.0000	2,721.3453	2,721.3453	0.2038	0.1249	2,763.6555
Waste						0.0000	0.0000		0.0000	0.0000	37.0560	0.0000	37.0560	2.1900	0.0000	91.8047
Water						0.0000	0.0000		0.0000	0.0000	3.5624	12.7921	16.3546	0.1023	7.7500e-003	21.2201
Total	**3.7745**	**1.5006**	**18.5743**	**0.0298**	**3.6679**	**0.0462**	**3.7142**	**0.9788**	**0.0449**	**1.0237**	**40.6184**	**3,057.5742**	**3,098.1926**	**2.5037**	**0.1330**	**3,200.4263**

	ROG	NOx	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	Architectural Coating - P1A Equip & AC	Architectural Coating	1/1/2024	1/1/2024	5	1	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating - P1A Equip & AC	Air Compressors	0	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
Architectural Coating - P1A Equip & AC	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - P1A Equip & AC - 2024

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - P1A Equip & AC - 2024

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.4842	1.4275	13.9196	0.0294	3.6679	0.0189	3.6869	0.9788	0.0176	0.9964	0.0000	2,721.3453	2,721.3453	0.2038	0.1249	2,763.6555
Unmitigated	1.4842	1.4275	13.9196	0.0294	3.6679	0.0189	3.6869	0.9788	0.0176	0.9964	0.0000	2,721.3453	2,721.3453	0.2038	0.1249	2,763.6555

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,612.50	2,612.50	2612.50	5,075,101	5,075,101
City Park	0.00	0.00	0.00		
Condo/Townhouse	200.00	200.00	200.00	388,525	388,525
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	1,122.81	1,122.81	1122.81	4,295,007	4,295,007
Total	3,935.31	3,935.31	3,935.31	9,758,633	9,758,633

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	6.01	6.01	6.01	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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	6.01	6.01	6.01	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	12.85	12.85	12.85	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
City Park	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Condo/Townhouse	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
Enclosed Parking with Elevator	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294
General Office Building	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	294.3804	294.3804	0.0000	0.0000	294.3804
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	294.3804	294.3804	0.0000	0.0000	294.3804
NaturalGas Mitigated	2.1700e-003	0.0197	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4571	21.4571	4.1000e-004	3.9000e-004	21.5846
NaturalGas Unmitigated	2.1700e-003	0.0197	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4571	21.4571	4.1000e-004	3.9000e-004	21.5846

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	402090	2.1700e-003	0.0197	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4571	21.4571	4.1000e-004	3.9000e-004	21.5846
Total		**2.1700e-003**	**0.0197**	**0.0166**	**1.2000e-004**		**1.5000e-003**	**1.5000e-003**		**1.5000e-003**	**1.5000e-003**	**0.0000**	**21.4571**	**21.4571**	**4.1000e-004**	**3.9000e-004**	**21.5846**

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	402090	2.1700e-003	0.0197	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4571	21.4571	4.1000e-004	3.9000e-004	21.5846
Total		**2.1700e-003**	**0.0197**	**0.0166**	**1.2000e-004**		**1.5000e-003**	**1.5000e-003**		**1.5000e-003**	**1.5000e-003**	**0.0000**	**21.4571**	**21.4571**	**4.1000e-004**	**3.9000e-004**	**21.5846**

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.70505e+006	157.9133	0.0000	0.0000	157.9133
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	314100	18.3364	0.0000	0.0000	18.3364
Enclosed Parking with Elevator	1.53607e+006	89.6717	0.0000	0.0000	89.6717
General Office Building	487500	28.4590	0.0000	0.0000	28.4590
Total		**294.3804**	**0.0000**	**0.0000**	**294.3804**

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.70505e+006	157.9133	0.0000	0.0000	157.9133
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	314100	18.3364	0.0000	0.0000	18.3364
Enclosed Parking with Elevator	1.53607e+006	89.6717	0.0000	0.0000	89.6717
General Office Building	487500	28.4590	0.0000	0.0000	28.4590
Total		**294.3804**	**0.0000**	**0.0000**	**294.3804**

6.0 Area Detail

6.1 Mitigation Measures Area

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	2.2881	0.0534	4.6381	2.5000e-004		0.0258	0.0258		0.0258	0.0258	0.0000	7.5994	7.5994	7.2700e-003	0.0000	7.7811
Unmitigated	2.2881	0.0534	4.6381	2.5000e-004		0.0258	0.0258		0.0258	0.0258	0.0000	7.5994	7.5994	7.2700e-003	0.0000	7.7811

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	0.1857					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9631					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	0.1393	0.0534	4.6381	2.5000e-004		0.0258	0.0258		0.0258	0.0258	0.0000	7.5994	7.5994	7.2700e-003	0.0000	7.7811
Total	**2.2881**	**0.0534**	**4.6381**	**2.5000e-004**		**0.0258**	**0.0258**		**0.0258**	**0.0258**	**0.0000**	**7.5994**	**7.5994**	**7.2700e-003**	**0.0000**	**7.7811**

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1857					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9631					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	0.1393	0.0534	4.6381	2.5000e-004		0.0258	0.0258		0.0258	0.0258	0.0000	7.5994	7.5994	7.2700e-003	0.0000	7.7811
Total	**2.2881**	**0.0534**	**4.6381**	**2.5000e-004**		**0.0258**	**0.0258**		**0.0258**	**0.0258**	**0.0000**	**7.5994**	**7.5994**	**7.2700e-003**	**0.0000**	**7.7811**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.3546	0.1023	7.7500e-003	21.2201
Unmitigated	16.3546	0.1023	7.7500e-003	21.2201

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	9.38786 / 5.91844	14.2960	0.0954	7.2200e-003	18.8324
City Park	0 / 1.58608	1.0287	0.0000	0.0000	1.0287
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0278652 / 0.0175672	0.0424	2.8000e-004	2.0000e-005	0.0559
General Office Building	0.653315 / 0.400419	0.9875	6.6400e-003	5.0000e-004	1.3031
Total		**16.3546**	**0.1023**	**7.7400e-003**	**21.2201**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	9.38786 / 5.91844	14.2960	0.0954	7.2200e-003	18.8324
City Park	0 / 1.58608	1.0287	0.0000	0.0000	1.0287
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0278652 / 0.0175672	0.0424	2.8000e-004	2.0000e-005	0.0559
General Office Building	0.653315 / 0.400419	0.9875	6.6400e-003	5.0000e-004	1.3031
Total		**16.3546**	**0.1023**	**7.7400e-003**	**21.2201**

8.0 Waste Detail

8.1 Mitigation Measures Waste

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.0560	2.1900	0.0000	91.8047
Unmitigated	37.0560	2.1900	0.0000	91.8047

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	144.21	29.2733	1.7300	0.0000	72.5234
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
Condo/Townhouse	11.04	2.2410	0.1324	0.0000	5.5520
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	27.2	5.5214	0.3263	0.0000	13.6789
Total		**37.0560**	**2.1899**	**0.0000**	**91.8047**

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	144.21	29.2733	1.7300	0.0000	72.5234
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
Condo/Townhouse	11.04	2.2410	0.1324	0.0000	5.5520
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	27.2	5.5214	0.3263	0.0000	13.6789
Total		**37.0560**	**2.1899**	**0.0000**	**91.8047**

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

Boilers

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

OSP - Phase 1 Scenario B - Operational - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Phase 2 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Phase 2 - Scenario A - Operational Only

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	30.00	1000sqft	0.00	30,000.00	0
Enclosed Parking with Elevator	861.00	Space	0.00	387,575.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Apartments Mid Rise	600.00	Dwelling Unit	4.22	600,000.00	1452
Strip Mall	25.00	1000sqft	0.00	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	128.7	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction Modeled Separately

Off-road Equipment - ss

Off-road Equipment - Construction Modeled Separately

Trips and VMT - Construction Modeled Separately

Demolition - See Assumptions

Grading - see assumptions

OSP - Phase 2 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating - Construction Modeled Separately

Vehicle Trips - See Assumptions

Woodstoves - See Assumptions - No hearths in project

Consumer Products -

Area Coating -

Landscape Equipment -

Energy Use - No NG in Resedential Land Uses

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	58,526.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	175,577.00	0.00
tblArchitecturalCoating	ConstArea_Parking	23,255.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	405,000.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,215,000.00	0.00
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	510.00	0.00
tblFireplaces	NumberNoFireplace	60.00	600.00
tblFireplaces	NumberWood	30.00	0.00
tblLandUse	LandUseSquareFeet	344,400.00	387,575.00
tblLandUse	LotAcreage	0.69	0.00

OSP - Phase 2 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	7.75	0.00
tblLandUse	LotAcreage	15.79	4.22
tblLandUse	LotAcreage	0.57	0.00
tblLandUse	Population	1,716.00	1,452.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	390.98	128.7
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblSolidWaste	SolidWasteGenerationRate	276.00	207.00
tblSolidWaste	SolidWasteGenerationRate	0.15	0.11
tblSolidWaste	SolidWasteGenerationRate	27.90	20.93
tblSolidWaste	SolidWasteGenerationRate	26.25	19.69
tblTripsAndVMT	WorkerTripNumber	129.00	0.00
tblVehicleEF	HHD	1.0000e-004	9.9000e-005
tblVehicleEF	HHD	1.0000e-004	9.9000e-005
tblVehicleEF	LDA	0.40	0.42
tblVehicleEF	LDA	1.31	1.34
tblVehicleEF	LDA	193.73	216.14
tblVehicleEF	LDA	36.79	41.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	6.7900e-004	6.9700e-004
tblVehicleEF	LDA	7.4000e-004	7.6000e-004
tblVehicleEF	LDA	6.2400e-004	6.4100e-004
tblVehicleEF	LDA	6.8100e-004	6.9900e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.3020e-003	2.3220e-003

OSP - Phase 2 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	3.3330e-003	3.3630e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.45	0.46
tblVehicleEF	LDA	1.12	1.15
tblVehicleEF	LDA	202.55	225.98
tblVehicleEF	LDA	36.47	40.73
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	6.7900e-004	6.9700e-004
tblVehicleEF	LDA	7.4000e-004	7.6000e-004
tblVehicleEF	LDA	6.2400e-004	6.4100e-004
tblVehicleEF	LDA	6.8100e-004	6.9900e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	2.4490e-003	2.4700e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	3.5480e-003	3.5790e-003
tblVehicleEF	LDA	0.02	0.02

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.39	0.40
tblVehicleEF	LDA	1.35	1.38
tblVehicleEF	LDA	190.51	212.54
tblVehicleEF	LDA	36.86	41.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	6.7900e-004	6.9700e-004
tblVehicleEF	LDA	7.4000e-004	7.6000e-004
tblVehicleEF	LDA	6.2400e-004	6.4100e-004
tblVehicleEF	LDA	6.8100e-004	6.9900e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.2540e-003	2.2740e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	3.2640e-003	3.2930e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDT1	0.45	0.46
tblVehicleEF	LDT1	1.41	1.45
tblVehicleEF	LDT1	233.12	260.34
tblVehicleEF	LDT1	44.79	50.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.12

OSP - Phase 2 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	7.9200e-004	8.1300e-004
tblVehicleEF	LDT1	8.6300e-004	8.8700e-004
tblVehicleEF	LDT1	7.2800e-004	7.4700e-004
tblVehicleEF	LDT1	7.9400e-004	8.1500e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	3.2080e-003	3.2370e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	4.6800e-003	4.7220e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.49	0.50
tblVehicleEF	LDT1	1.21	1.25
tblVehicleEF	LDT1	241.99	270.25
tblVehicleEF	LDT1	44.44	49.63
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	7.9200e-004	8.1300e-004
tblVehicleEF	LDT1	8.6300e-004	8.8700e-004
tblVehicleEF	LDT1	7.2800e-004	7.4700e-004
tblVehicleEF	LDT1	7.9400e-004	8.1500e-004
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.05	0.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	3.4100e-003	3.4410e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	4.9750e-003	5.0200e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.43	0.44
tblVehicleEF	LDT1	1.46	1.50
tblVehicleEF	LDT1	229.86	256.71
tblVehicleEF	LDT1	44.86	50.10
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	7.9200e-004	8.1300e-004
tblVehicleEF	LDT1	8.6300e-004	8.8700e-004
tblVehicleEF	LDT1	7.2800e-004	7.4700e-004
tblVehicleEF	LDT1	7.9400e-004	8.1500e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	3.1420e-003	3.1700e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	4.5840e-003	4.6250e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT2	0.50	0.52
tblVehicleEF	LDT2	1.76	1.80
tblVehicleEF	LDT2	231.46	258.23
tblVehicleEF	LDT2	44.41	49.60
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	7.7200e-004	7.9100e-004
tblVehicleEF	LDT2	7.7300e-004	7.9400e-004
tblVehicleEF	LDT2	7.1100e-004	7.2900e-004
tblVehicleEF	LDT2	7.1100e-004	7.3000e-004
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	4.1090e-003	4.1440e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	5.9260e-003	5.9770e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.55	0.57
tblVehicleEF	LDT2	1.50	1.54
tblVehicleEF	LDT2	239.44	267.15
tblVehicleEF	LDT2	43.97	49.11
tblVehicleEF	LDT2	0.02	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	7.7200e-004	7.9100e-004
tblVehicleEF	LDT2	7.7300e-004	7.9400e-004
tblVehicleEF	LDT2	7.1100e-004	7.2900e-004
tblVehicleEF	LDT2	7.1100e-004	7.3000e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	4.3550e-003	4.3920e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	6.2850e-003	6.3390e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.49	0.50
tblVehicleEF	LDT2	1.81	1.86
tblVehicleEF	LDT2	228.53	254.96
tblVehicleEF	LDT2	44.51	49.70
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	7.7200e-004	7.9100e-004
tblVehicleEF	LDT2	7.7300e-004	7.9400e-004
tblVehicleEF	LDT2	7.1100e-004	7.2900e-004
tblVehicleEF	LDT2	7.1100e-004	7.3000e-004
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	4.0290e-003	4.0630e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	5.8090e-003	5.8590e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	MDV	0.51	0.52
tblVehicleEF	MDV	1.76	1.81
tblVehicleEF	MDV	281.64	313.41
tblVehicleEF	MDV	52.74	58.90
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	7.8000e-004	8.0000e-004
tblVehicleEF	MDV	7.8800e-004	8.1000e-004
tblVehicleEF	MDV	7.1900e-004	7.3700e-004
tblVehicleEF	MDV	7.2500e-004	7.4500e-004
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	4.4900e-003	4.5280e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.06	0.06

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	6.4680e-003	6.5230e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.56	0.57
tblVehicleEF	MDV	1.50	1.54
tblVehicleEF	MDV	289.51	322.21
tblVehicleEF	MDV	52.30	58.41
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	7.8000e-004	8.0000e-004
tblVehicleEF	MDV	7.8800e-004	8.1000e-004
tblVehicleEF	MDV	7.1900e-004	7.3700e-004
tblVehicleEF	MDV	7.2500e-004	7.4500e-004
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	4.7590e-003	4.7990e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	6.8600e-003	6.9190e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.49	0.50
tblVehicleEF	MDV	1.81	1.87
tblVehicleEF	MDV	278.75	310.19
tblVehicleEF	MDV	52.84	59.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	7.8000e-004	8.0000e-004
tblVehicleEF	MDV	7.8800e-004	8.1000e-004
tblVehicleEF	MDV	7.1900e-004	7.3700e-004
tblVehicleEF	MDV	7.2500e-004	7.4500e-004
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	4.4030e-003	4.4410e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	6.3410e-003	6.3950e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.12	0.12
tblVehicleTrips	CC_TL	8.40	10.49
tblVehicleTrips	CC_TL	8.40	10.49
tblVehicleTrips	CNW_TL	6.90	10.49
tblVehicleTrips	CNW_TL	6.90	10.49
tblVehicleTrips	CW_TL	16.60	10.49
tblVehicleTrips	CW_TL	16.60	10.49
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	5.33
tblVehicleTrips	HS_TL	5.90	5.33

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	HW_TL	14.70	5.33
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	6.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	28.79
tblVehicleTrips	ST_TR	42.04	28.79
tblVehicleTrips	SU_TR	4.09	6.25
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	28.79
tblVehicleTrips	SU_TR	20.43	28.79
tblVehicleTrips	WD_TR	5.44	6.25
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	28.79
tblVehicleTrips	WD_TR	44.32	28.79
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	IndoorWaterUseRate	39,092,415.37	12,517,152.70
tblWater	IndoorWaterUseRate	0.00	45,897.27
tblWater	IndoorWaterUseRate	5,332,012.44	502,550.32
tblWater	IndoorWaterUseRate	1,851,813.04	882,637.40
tblWater	OutdoorWaterUseRate	24,645,218.39	7,891,248.41
tblWater	OutdoorWaterUseRate	2,025,518.29	1,797,559.43
tblWater	OutdoorWaterUseRate	0.00	28,935.23
tblWater	OutdoorWaterUseRate	3,268,007.62	308,014.71
tblWater	OutdoorWaterUseRate	1,134,982.18	540,971.31
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	30.00	0.00
tblWoodstoves	NumberNoncatalytic	30.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

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	3.0489	0.0712	6.1721	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1301	10.1301	9.6800e-003	0.0000	10.3721
Energy	1.8900e-003	0.0172	0.0144	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	409.3994	409.3994	3.6000e-004	3.4000e-004	409.5104
Mobile	1.8503	1.7217	17.8415	0.0365	5.0087	0.0190	5.0277	1.3369	0.0177	1.3546	0.0000	3,691.0484	3,691.0484	0.2587	0.1584	3,744.7323
Waste						0.0000	0.0000		0.0000	0.0000	50.2870	0.0000	50.2870	2.9719	0.0000	124.5838
Water						0.0000	0.0000		0.0000	0.0000	4.9349	17.4558	22.3907	0.1417	0.0107	29.1307
Total	**4.9011**	**1.8101**	**24.0280**	**0.0369**	**5.0087**	**0.0546**	**5.0633**	**1.3369**	**0.0533**	**1.3902**	**55.2219**	**4,128.0337**	**4,183.2555**	**3.3823**	**0.1695**	**4,318.3293**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.0489	0.0712	6.1721	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1301	10.1301	9.6800e-003	0.0000	10.3721
Energy	1.8900e-003	0.0172	0.0144	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	409.3994	409.3994	3.6000e-004	3.4000e-004	409.5104
Mobile	1.8503	1.7217	17.8415	0.0365	5.0087	0.0190	5.0277	1.3369	0.0177	1.3546	0.0000	3,691.0484	3,691.0484	0.2587	0.1584	3,744.7323
Waste						0.0000	0.0000		0.0000	0.0000	50.2870	0.0000	50.2870	2.9719	0.0000	124.5838
Water						0.0000	0.0000		0.0000	0.0000	4.9349	17.4558	22.3907	0.1417	0.0107	29.1307
Total	**4.9011**	**1.8101**	**24.0280**	**0.0369**	**5.0087**	**0.0546**	**5.0633**	**1.3369**	**0.0533**	**1.3902**	**55.2219**	**4,128.0337**	**4,183.2555**	**3.3823**	**0.1695**	**4,318.3293**

	ROG	NOx	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	Architectural Coating P2A & Phase 2 Equip	Architectural Coating	4/25/2035	4/25/2035	5	1	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating P2A & Phase 2 Equip	Air Compressors	0	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
Architectural Coating P2A & Phase 2 Equip	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating P2A & Phase 2 Equip - 2035

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating P2A & Phase 2 Equip - 2035

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.8503	1.7217	17.8415	0.0365	5.0087	0.0190	5.0277	1.3369	0.0177	1.3546	0.0000	3,691.0484	3,691.0484	0.2587	0.1584	3,744.7323
Unmitigated	1.8503	1.7217	17.8415	0.0365	5.0087	0.0190	5.0277	1.3369	0.0177	1.3546	0.0000	3,691.0484	3,691.0484	0.2587	0.1584	3,744.7323

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,750.00	3,750.00	3750.00	7,275,450	7,275,450
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	863.70	863.70	863.70	3,297,918	3,297,918
Strip Mall	719.75	719.75	719.75	2,748,265	2,748,265
Total	5,333.45	5,333.45	5,333.45	13,321,632	13,321,632

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	5.33	5.33	5.33	40.20	19.20	40.60	100	0	0
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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	10.49	10.49	10.49	33.00	48.00	19.00	100	0	0
Strip Mall	10.49	10.49	10.49	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Enclosed Parking with Elevator	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Strip Mall	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	390.7194	390.7194	0.0000	0.0000	390.7194
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	390.7194	390.7194	0.0000	0.0000	390.7194
NaturalGas Mitigated	1.8900e-003	0.0172	0.0144	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	18.6800	18.6800	3.6000e-004	3.4000e-004	18.7910
NaturalGas Unmitigated	1.8900e-003	0.0172	0.0144	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	18.6800	18.6800	3.6000e-004	3.4000e-004	18.7910

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
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	309300	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.5054	16.5054	3.2000e-004	3.0000e-004	16.6035
Strip Mall	40750	2.2000e-004	2.0000e-003	1.6800e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1746	2.1746	4.0000e-005	4.0000e-005	2.1875
Total		**1.8900e-003**	**0.0172**	**0.0144**	**1.0000e-004**		**1.3000e-003**	**1.3000e-003**		**1.3000e-003**	**1.3000e-003**	**0.0000**	**18.6800**	**18.6800**	**3.6000e-004**	**3.4000e-004**	**18.7910**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
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	309300	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.5054	16.5054	3.2000e-004	3.0000e-004	16.6035
Strip Mall	40750	2.2000e-004	2.0000e-003	1.6800e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1746	2.1746	4.0000e-005	4.0000e-005	2.1875
Total		**1.8900e-003**	**0.0172**	**0.0144**	**1.0000e-004**		**1.3000e-003**	**1.3000e-003**		**1.3000e-003**	**1.3000e-003**	**0.0000**	**18.6800**	**18.6800**	**3.6000e-004**	**3.4000e-004**	**18.7910**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.88284e+006	226.6699	0.0000	0.0000	226.6699
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.10841e+006	123.0833	0.0000	0.0000	123.0833
General Office Building	375000	21.8915	0.0000	0.0000	21.8915
Strip Mall	326750	19.0748	0.0000	0.0000	19.0748
Total		**390.7194**	**0.0000**	**0.0000**	**390.7194**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.88284e+006	226.6699	0.0000	0.0000	226.6699
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.10841e+006	123.0833	0.0000	0.0000	123.0833
General Office Building	375000	21.8915	0.0000	0.0000	21.8915
Strip Mall	326750	19.0748	0.0000	0.0000	19.0748
Total		**390.7194**	**0.0000**	**0.0000**	**390.7194**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	3.0489	0.0712	6.1721	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1301	10.1301	9.6800e-003	0.0000	10.3721
Unmitigated	3.0489	0.0712	6.1721	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1301	10.1301	9.6800e-003	0.0000	10.3721

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	0.2474					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6162					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	0.1853	0.0712	6.1721	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1301	10.1301	9.6800e-003	0.0000	10.3721
Total	**3.0489**	**0.0712**	**6.1721**	**3.3000e-004**		**0.0344**	**0.0344**		**0.0344**	**0.0344**	**0.0000**	**10.1301**	**10.1301**	**9.6800e-003**	**0.0000**	**10.3721**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.2474					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6162					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	0.1853	0.0712	6.1721	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1301	10.1301	9.6800e-003	0.0000	10.3721
Total	**3.0489**	**0.0712**	**6.1721**	**3.3000e-004**		**0.0344**	**0.0344**		**0.0344**	**0.0344**	**0.0000**	**10.1301**	**10.1301**	**9.6800e-003**	**0.0000**	**10.3721**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.3907	0.1417	0.0107	29.1307
Unmitigated	22.3907	0.1417	0.0107	29.1307

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.5172 / 7.89125	19.0613	0.1271	9.6300e-003	25.1098
City Park	0 / 1.79756	1.1659	0.0000	0.0000	1.1659
Enclosed Parking with Elevator	0.0458973 / 0.0289352	0.0699	4.7000e-004	4.0000e-005	0.0921
General Office Building	0.50255 / 0.308015	0.7596	5.1000e-003	3.9000e-004	1.0024
Strip Mall	0.882637 / 0.540971	1.3341	8.9700e-003	6.8000e-004	1.7606
Total		**22.3907**	**0.1417**	**0.0107**	**29.1307**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.5172 / 7.89125	19.0613	0.1271	9.6300e-003	25.1098
City Park	0 / 1.79756	1.1659	0.0000	0.0000	1.1659
Enclosed Parking with Elevator	0.0458973 / 0.0289352	0.0699	4.7000e-004	4.0000e-005	0.0921
General Office Building	0.50255 / 0.308015	0.7596	5.1000e-003	3.9000e-004	1.0024
Strip Mall	0.882637 / 0.540971	1.3341	8.9700e-003	6.8000e-004	1.7606
Total		**22.3907**	**0.1417**	**0.0107**	**29.1307**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	50.2870	2.9719	0.0000	124.5838
Unmitigated	50.2870	2.9719	0.0000	124.5838

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	207	42.0191	2.4833	0.0000	104.1006
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	20.93	4.2486	0.2511	0.0000	10.5257
Strip Mall	19.69	3.9969	0.2362	0.0000	9.9021
Total		**50.2870**	**2.9719**	**0.0000**	**124.5838**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	207	42.0191	2.4833	0.0000	104.1006
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	20.93	4.2486	0.2511	0.0000	10.5257
Strip Mall	19.69	3.9969	0.2362	0.0000	9.9021
Total		**50.2870**	**2.9719**	**0.0000**	**124.5838**

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

Boilers

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Phase 2 - Scenario B - Operational Only

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	37.00	1000sqft	0.00	37,000.00	0
Enclosed Parking with Elevator	1,033.00	Space	0.00	465,090.00	0
City Park	1.70	Acre	1.70	74,052.00	0
Apartments Mid Rise	673.00	Dwelling Unit	4.22	673,000.00	1629
Strip Mall	30.00	1000sqft	0.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	128.7	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction Modeled Separately

Off-road Equipment - ss

Off-road Equipment - Construction Modeled Separately

Trips and VMT - Construction Modeled Separately

Demolition - See Assumptions

Grading - see assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating - Construction Modeled Separately

Vehicle Trips - See Assumptions

Woodstoves - See Assumptions - No hearths in project

Consumer Products -

Area Coating -

Landscape Equipment -

Energy Use - No NG in Resedential Land Uses

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24NG	4,179.80	0.00
tblFireplaces	NumberGas	572.05	0.00
tblFireplaces	NumberNoFireplace	67.30	673.00
tblFireplaces	NumberWood	33.65	0.00
tblLandUse	LandUseSquareFeet	413,200.00	465,090.00
tblLandUse	LotAcreage	0.85	0.00
tblLandUse	LotAcreage	9.30	0.00
tblLandUse	LotAcreage	17.71	4.22

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tblLandUse	LotAcreage	0.69	0.00
tblLandUse	Population	1,925.00	1,629.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	390.98	128.7
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblSolidWaste	SolidWasteGenerationRate	309.58	232.19
tblSolidWaste	SolidWasteGenerationRate	0.15	0.11
tblSolidWaste	SolidWasteGenerationRate	34.41	25.81
tblSolidWaste	SolidWasteGenerationRate	28.35	21.26
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	146.00	0.00
tblVehicleTrips	CC_TL	8.40	10.49
tblVehicleTrips	CC_TL	8.40	10.49
tblVehicleTrips	CNW_TL	6.90	10.49
tblVehicleTrips	CNW_TL	6.90	10.49
tblVehicleTrips	CW_TL	16.60	10.49
tblVehicleTrips	CW_TL	16.60	10.49
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	5.33
tblVehicleTrips	HS_TL	5.90	5.33
tblVehicleTrips	HW_TL	14.70	5.33
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	6.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	28.79
tblVehicleTrips	ST_TR	42.04	28.79
tblVehicleTrips	SU_TR	4.09	6.25
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	28.79
tblVehicleTrips	SU_TR	20.43	28.79
tblVehicleTrips	WD_TR	5.44	6.25
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	28.79
tblVehicleTrips	WD_TR	44.32	28.79
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	43,848,659.24	14,040,072.95
tblWater	IndoorWaterUseRate	0.00	45,897.27
tblWater	IndoorWaterUseRate	6,576,148.68	619,812.06
tblWater	IndoorWaterUseRate	1,999,958.08	1,059,164.88
tblWater	OutdoorWaterUseRate	27,643,719.96	8,851,350.30
tblWater	OutdoorWaterUseRate	2,025,518.29	1,797,559.43

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	OutdoorWaterUseRate	0.00	28,935.23
tblWater	OutdoorWaterUseRate	4,030,542.74	379,844.81
tblWater	OutdoorWaterUseRate	1,225,780.76	649,165.57
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	33.65	0.00
tblWoodstoves	NumberNoncatalytic	33.65	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

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	3.4623	0.0799	6.9239	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3644	11.3644	0.0109	0.0000	11.6359
Energy	2.3200e-003	0.0211	0.0177	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	474.8034	474.8034	4.4000e-004	4.2000e-004	474.9399
Mobile	2.1457	2.0000	20.7374	0.0425	5.8375	0.0221	5.8596	1.5581	0.0206	1.5787	0.0000	4,300.2769	4,300.2769	0.3007	0.1841	4,362.6625
Waste						0.0000	0.0000		0.0000	0.0000	56.7096	0.0000	56.7096	3.3514	0.0000	140.4956
Water						0.0000	0.0000		0.0000	0.0000	5.5777	19.5762	25.1538	0.1601	0.0121	32.7717
Total	**5.6103**	**2.1010**	**27.6790**	**0.0430**	**5.8375**	**0.0622**	**5.8997**	**1.5581**	**0.0607**	**1.6188**	**62.2873**	**4,806.0208**	**4,868.3081**	**3.8236**	**0.1967**	**5,022.5056**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.4623	0.0799	6.9239	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3644	11.3644	0.0109	0.0000	11.6359
Energy	2.3200e-003	0.0211	0.0177	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	474.8034	474.8034	4.4000e-004	4.2000e-004	474.9399
Mobile	2.1457	2.0000	20.7374	0.0425	5.8375	0.0221	5.8596	1.5581	0.0206	1.5787	0.0000	4,300.2769	4,300.2769	0.3007	0.1841	4,362.6625
Waste						0.0000	0.0000		0.0000	0.0000	56.7096	0.0000	56.7096	3.3514	0.0000	140.4956
Water						0.0000	0.0000		0.0000	0.0000	5.5777	19.5762	25.1538	0.1601	0.0121	32.7717
Total	**5.6103**	**2.1010**	**27.6790**	**0.0430**	**5.8375**	**0.0622**	**5.8997**	**1.5581**	**0.0607**	**1.6188**	**62.2873**	**4,806.0208**	**4,868.3081**	**3.8236**	**0.1967**	**5,022.5056**

	ROG	NOx	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	Architectural Coating P2A & Phase 2 Equip	Architectural Coating	3/1/2034	3/1/2034	5	1	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 1,362,825; Residential Outdoor: 454,275; Non-Residential Indoor: 207,692; Non-Residential Outdoor: 69,231; Striped Parking Area: 27,905 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating P2A & Phase 2 Equip	Air Compressors	0	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
Architectural Coating P2A & Phase 2 Equip	0	0.00	0.00	0.00	0.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating P2A & Phase 2 Equip - 2034

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating P2A & Phase 2 Equip - 2034

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.1457	2.0000	20.7374	0.0425	5.8375	0.0221	5.8596	1.5581	0.0206	1.5787	0.0000	4,300.2769	4,300.2769	0.3007	0.1841	4,362.6625
Unmitigated	2.1457	2.0000	20.7374	0.0425	5.8375	0.0221	5.8596	1.5581	0.0206	1.5787	0.0000	4,300.2769	4,300.2769	0.3007	0.1841	4,362.6625

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,206.25	4,206.25	4206.25	8,160,630	8,160,630
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	1,065.23	1,065.23	1065.23	4,067,432	4,067,432
Strip Mall	863.70	863.70	863.70	3,297,918	3,297,918
Total	6,135.18	6,135.18	6,135.18	15,525,979	15,525,979

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	5.33	5.33	5.33	40.20	19.20	40.60	100	0	0
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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	10.49	10.49	10.49	33.00	48.00	19.00	100	0	0
Strip Mall	10.49	10.49	10.49	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Enclosed Parking with Elevator	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Strip Mall	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	451.8372	451.8372	0.0000	0.0000	451.8372
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	451.8372	451.8372	0.0000	0.0000	451.8372
NaturalGas Mitigated	2.3200e-003	0.0211	0.0177	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	22.9662	22.9662	4.4000e-004	4.2000e-004	23.1027
NaturalGas Unmitigated	2.3200e-003	0.0211	0.0177	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	22.9662	22.9662	4.4000e-004	4.2000e-004	23.1027

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
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	381470	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.3567	20.3567	3.9000e-004	3.7000e-004	20.4777
Strip Mall	48900	2.6000e-004	2.4000e-003	2.0100e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.6095	2.6095	5.0000e-005	5.0000e-005	2.6250
Total		**2.3200e-003**	**0.0211**	**0.0177**	**1.2000e-004**		**1.6000e-003**	**1.6000e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**22.9662**	**22.9662**	**4.4000e-004**	**4.2000e-004**	**23.1027**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
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	381470	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.3567	20.3567	3.9000e-004	3.7000e-004	20.4777
Strip Mall	48900	2.6000e-004	2.4000e-003	2.0100e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.6095	2.6095	5.0000e-005	5.0000e-005	2.6250
Total		**2.3200e-003**	**0.0211**	**0.0177**	**1.2000e-004**		**1.6000e-003**	**1.6000e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**22.9662**	**22.9662**	**4.4000e-004**	**4.2000e-004**	**23.1027**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.35525e+006	254.2480	0.0000	0.0000	254.2480
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.53009e+006	147.6999	0.0000	0.0000	147.6999
General Office Building	462500	26.9995	0.0000	0.0000	26.9995
Strip Mall	392100	22.8898	0.0000	0.0000	22.8898
Total		**451.8372**	**0.0000**	**0.0000**	**451.8372**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	4.35525e+006	254.2480	0.0000	0.0000	254.2480
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	2.53009e+006	147.6999	0.0000	0.0000	147.6999
General Office Building	462500	26.9995	0.0000	0.0000	26.9995
Strip Mall	392100	22.8898	0.0000	0.0000	22.8898
Total		**451.8372**	**0.0000**	**0.0000**	**451.8372**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	3.4623	0.0799	6.9239	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3644	11.3644	0.0109	0.0000	11.6359
Unmitigated	3.4623	0.0799	6.9239	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3644	11.3644	0.0109	0.0000	11.6359

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	0.2812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9731					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	0.2080	0.0799	6.9239	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3644	11.3644	0.0109	0.0000	11.6359
Total	**3.4623**	**0.0799**	**6.9239**	**3.7000e-004**		**0.0385**	**0.0385**		**0.0385**	**0.0385**	**0.0000**	**11.3644**	**11.3644**	**0.0109**	**0.0000**	**11.6359**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.2812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9731					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	0.2080	0.0799	6.9239	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3644	11.3644	0.0109	0.0000	11.6359
Total	**3.4623**	**0.0799**	**6.9239**	**3.7000e-004**		**0.0385**	**0.0385**		**0.0385**	**0.0385**	**0.0000**	**11.3644**	**11.3644**	**0.0109**	**0.0000**	**11.6359**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.1538	0.1601	0.0121	32.7717
Unmitigated	25.1538	0.1601	0.0121	32.7717

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.0401 / 8.85135	21.3804	0.1426	0.0108	28.1648
City Park	0 / 1.79756	1.1659	0.0000	0.0000	1.1659
Enclosed Parking with Elevator	0.0458973 / 0.0289352	0.0699	4.7000e-004	4.0000e-005	0.0921
General Office Building	0.619812 / 0.379845	0.9368	6.3000e-003	4.8000e-004	1.2363
Strip Mall	1.05916 / 0.649166	1.6009	0.0108	8.1000e-004	2.1127
Total		**25.1538**	**0.1601**	**0.0121**	**32.7717**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.0401 / 8.85135	21.3804	0.1426	0.0108	28.1648
City Park	0 / 1.79756	1.1659	0.0000	0.0000	1.1659
Enclosed Parking with Elevator	0.0458973 / 0.0289352	0.0699	4.7000e-004	4.0000e-005	0.0921
General Office Building	0.619812 / 0.379845	0.9368	6.3000e-003	4.8000e-004	1.2363
Strip Mall	1.05916 / 0.649166	1.6009	0.0108	8.1000e-004	2.1127
Total		**25.1538**	**0.1601**	**0.0121**	**32.7717**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	56.7096	3.3514	0.0000	140.4956
Unmitigated	56.7096	3.3514	0.0000	140.4956

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	232.19	47.1325	2.7855	0.0000	116.7687
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	25.81	5.2392	0.3096	0.0000	12.9799
Strip Mall	21.26	4.3156	0.2550	0.0000	10.6917
Total		**56.7096**	**3.3514**	**0.0000**	**140.4956**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	232.19	47.1325	2.7855	0.0000	116.7687
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	25.81	5.2392	0.3096	0.0000	12.9799
Strip Mall	21.26	4.3156	0.2550	0.0000	10.6917
Total		**56.7096**	**3.3514**	**0.0000**	**140.4956**

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

Boilers

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	23.00	1000sqft	0.00	23,000.00	0
Enclosed Parking with Elevator	806.00	Space	0.00	322,210.00	0
City Park	1.60	Acre	1.60	69,696.00	0
Apartments Mid Rise	533.00	Dwelling Unit	5.54	533,000.00	1290
Condo/Townhouse	45.00	Dwelling Unit	0.00	45,000.00	109
Strip Mall	20.00	1000sqft	0.00	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	128.7	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction Modeled Separately

Off-road Equipment - ss

Off-road Equipment - Construction Modeled Separately

Trips and VMT - Construction Modeled Separately

Demolition - see assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading - see Assumptions

Architectural Coating - Construction Modeled Separately

Vehicle Trips - See Assumptions

Woodstoves - See Assumptions - No Hearth in Residential

Area Coating - Operational modeled separately

Landscape Equipment - Operational modeled separately

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	54,718.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	164,154.00	0.00
tblArchitecturalCoating	ConstArea_Parking	19,333.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	390,150.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,170,450.00	0.00
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24E	3,795.01	5,210.84
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24E	39.19	3,603.70
tblEnergyUse	T24NG	4,179.80	0.00
tblEnergyUse	T24NG	12,162.60	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	453.05	0.00
tblFireplaces	NumberGas	38.25	0.00
tblFireplaces	NumberNoFireplace	53.30	533.00
tblFireplaces	NumberNoFireplace	4.50	45.00
tblFireplaces	NumberWood	26.65	0.00
tblFireplaces	NumberWood	2.25	0.00
tblLandUse	LandUseSquareFeet	322,400.00	322,210.00
tblLandUse	LotAcreage	0.53	0.00
tblLandUse	LotAcreage	7.25	0.00
tblLandUse	LotAcreage	14.03	5.54
tblLandUse	LotAcreage	2.81	0.00
tblLandUse	LotAcreage	0.46	0.00
tblLandUse	Population	1,524.00	1,290.00
tblLandUse	Population	129.00	109.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	390.98	128.7
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblSolidWaste	SolidWasteGenerationRate	245.18	183.20
tblSolidWaste	SolidWasteGenerationRate	0.14	0.11
tblSolidWaste	SolidWasteGenerationRate	20.70	15.53
tblSolidWaste	SolidWasteGenerationRate	21.39	16.04
tblSolidWaste	SolidWasteGenerationRate	21.00	15.75
tblTripsAndVMT	WorkerTripNumber	119.00	0.00
tblVehicleTrips	CC_TL	8.40	10.47
tblVehicleTrips	CC_TL	8.40	10.47
tblVehicleTrips	CNW_TL	6.90	10.47
tblVehicleTrips	CNW_TL	6.90	10.47

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CW_TL	16.60	10.47
tblVehicleTrips	CW_TL	16.60	10.47
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	5.33
tblVehicleTrips	HO_TL	8.70	5.33
tblVehicleTrips	HS_TL	5.90	5.33
tblVehicleTrips	HS_TL	5.90	5.33
tblVehicleTrips	HW_TL	14.70	5.33
tblVehicleTrips	HW_TL	14.70	5.33
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	6.26
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	6.25
tblVehicleTrips	ST_TR	2.21	28.79
tblVehicleTrips	ST_TR	42.04	28.79
tblVehicleTrips	SU_TR	4.09	6.25
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	6.25
tblVehicleTrips	SU_TR	0.70	28.79

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	20.43	28.79
tblVehicleTrips	WD_TR	5.44	6.25
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	6.25
tblVehicleTrips	WD_TR	9.74	28.79
tblVehicleTrips	WD_TR	44.32	28.79
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	34,727,095.66	12,058,190.44
tblWater	IndoorWaterUseRate	2,931,931.15	0.00
tblWater	IndoorWaterUseRate	0.00	38,156.64
tblWater	IndoorWaterUseRate	4,087,876.20	385,288.57
tblWater	IndoorWaterUseRate	1,481,450.43	706,109.92
tblWater	OutdoorWaterUseRate	21,893,169.00	7,601,902.64
tblWater	OutdoorWaterUseRate	1,906,370.16	1,691,820.64
tblWater	OutdoorWaterUseRate	1,848,391.38	0.00
tblWater	OutdoorWaterUseRate	0.00	24,055.27
tblWater	OutdoorWaterUseRate	2,505,472.51	236,144.61
tblWater	OutdoorWaterUseRate	907,985.75	432,777.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	26.65	0.00
tblWoodstoves	NumberCatalytic	2.25	0.00
tblWoodstoves	NumberNoncatalytic	26.65	0.00
tblWoodstoves	NumberNoncatalytic	2.25	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

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	2.9194	0.0686	5.9453	3.2000e-004		0.0331	0.0331		0.0331	0.0331	0.0000	9.7578	9.7578	9.3200e-003	0.0000	9.9909
Energy	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	375.9061	375.9061	2.8000e-004	2.6000e-004	375.9917
Mobile	1.6495	1.5283	15.8147	0.0321	4.4091	0.0168	4.4258	1.1768	0.0156	1.1924	0.0000	3,252.1450	3,252.1450	0.2292	0.1405	3,299.7533
Waste						0.0000	0.0000		0.0000	0.0000	46.8158	0.0000	46.8158	2.7667	0.0000	115.9842
Water						0.0000	0.0000		0.0000	0.0000	4.6659	16.5015	21.1674	0.1340	0.0102	27.5399
Total	**4.5704**	**1.6101**	**21.7711**	**0.0325**	**4.4091**	**0.0509**	**4.4599**	**1.1768**	**0.0497**	**1.2265**	**51.4817**	**3,654.3105**	**3,705.7922**	**3.1395**	**0.1509**	**3,829.2599**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.9194	0.0686	5.9453	3.2000e-004		0.0331	0.0331		0.0331	0.0331	0.0000	9.7578	9.7578	9.3200e-003	0.0000	9.9909
Energy	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	375.9061	375.9061	2.8000e-004	2.6000e-004	375.9917
Mobile	1.6495	1.5283	15.8147	0.0321	4.4091	0.0168	4.4258	1.1768	0.0156	1.1924	0.0000	3,252.1450	3,252.1450	0.2292	0.1405	3,299.7533
Waste						0.0000	0.0000		0.0000	0.0000	46.8158	0.0000	46.8158	2.7667	0.0000	115.9842
Water						0.0000	0.0000		0.0000	0.0000	4.6659	16.5015	21.1674	0.1340	0.0102	27.5399
Total	**4.5704**	**1.6101**	**21.7711**	**0.0325**	**4.4091**	**0.0509**	**4.4599**	**1.1768**	**0.0497**	**1.2265**	**51.4817**	**3,654.3105**	**3,705.7922**	**3.1395**	**0.1509**	**3,829.2599**

	ROG	NOx	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	Architectural Coating - Phase 3	Architectural Coating	4/25/2035	4/25/2035	5	1	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating - Phase 3	Air Compressors	0	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
Architectural Coating - Phase 3	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - Phase 3 - 2035

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - Phase 3 - 2035

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.6495	1.5283	15.8147	0.0321	4.4091	0.0168	4.4258	1.1768	0.0156	1.1924	0.0000	3,252.1450	3,252.1450	0.2292	0.1405	3,299.7533
Unmitigated	1.6495	1.5283	15.8147	0.0321	4.4091	0.0168	4.4258	1.1768	0.0156	1.1924	0.0000	3,252.1450	3,252.1450	0.2292	0.1405	3,299.7533

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,331.25	3,336.58	3331.25	6,463,289	6,463,289
City Park	0.00	0.00	0.00		
Condo/Townhouse	281.25	281.25	281.25	545,556	545,556
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	662.17	662.17	662.17	2,523,583	2,523,583
Strip Mall	575.80	575.80	575.80	2,194,420	2,194,420
Total	4,850.47	4,855.80	4,850.47	11,726,848	11,726,848

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	5.33	5.33	5.33	40.20	19.20	40.60	100	0	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	5.33	5.33	5.33	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	10.47	10.47	10.47	33.00	48.00	19.00	100	0	0
Strip Mall	10.47	10.47	10.47	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Condo/Townhouse	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Enclosed Parking with Elevator	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Strip Mall	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	361.5123	361.5123	0.0000	0.0000	361.5123
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	361.5123	361.5123	0.0000	0.0000	361.5123
NaturalGas Mitigated	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.3938	14.3938	2.8000e-004	2.6000e-004	14.4794
NaturalGas Unmitigated	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.3938	14.3938	2.8000e-004	2.6000e-004	14.4794

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	237130	1.2800e-003	0.0116	9.7600e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.6542	12.6542	2.4000e-004	2.3000e-004	12.7294
Strip Mall	32600	1.8000e-004	1.6000e-003	1.3400e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7397	1.7397	3.0000e-005	3.0000e-005	1.7500
Total		**1.4600e-003**	**0.0132**	**0.0111**	**8.0000e-005**		**1.0000e-003**	**1.0000e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**14.3938**	**14.3938**	**2.7000e-004**	**2.6000e-004**	**14.4794**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	237130	1.2800e-003	0.0116	9.7600e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.6542	12.6542	2.4000e-004	2.3000e-004	12.7294
Strip Mall	32600	1.8000e-004	1.6000e-003	1.3400e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7397	1.7397	3.0000e-005	3.0000e-005	1.7500
Total		**1.4600e-003**	**0.0132**	**0.0111**	**8.0000e-005**		**1.0000e-003**	**1.0000e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**14.3938**	**14.3938**	**2.7000e-004**	**2.6000e-004**	**14.4794**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.44926e+006	201.3584	0.0000	0.0000	201.3584
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	441704	25.7855	0.0000	0.0000	25.7855
Enclosed Parking with Elevator	1.75282e+006	102.3251	0.0000	0.0000	102.3251
General Office Building	287500	16.7835	0.0000	0.0000	16.7835
Strip Mall	261400	15.2598	0.0000	0.0000	15.2598
Total		**361.5123**	**0.0000**	**0.0000**	**361.5123**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.44926e+006	201.3584	0.0000	0.0000	201.3584
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	441704	25.7855	0.0000	0.0000	25.7855
Enclosed Parking with Elevator	1.75282e+006	102.3251	0.0000	0.0000	102.3251
General Office Building	287500	16.7835	0.0000	0.0000	16.7835
Strip Mall	261400	15.2598	0.0000	0.0000	15.2598
Total		**361.5123**	**0.0000**	**0.0000**	**361.5123**

6.0 Area Detail

6.1 Mitigation Measures Area

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	2.9194	0.0686	5.9453	3.2000e-004		0.0331	0.0331		0.0331	0.0331	0.0000	9.7578	9.7578	9.3200e-003	0.0000	9.9909
Unmitigated	2.9194	0.0686	5.9453	3.2000e-004		0.0331	0.0331		0.0331	0.0331	0.0000	9.7578	9.7578	9.3200e-003	0.0000	9.9909

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	0.2360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5049					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	0.1785	0.0686	5.9453	3.2000e-004		0.0331	0.0331		0.0331	0.0331	0.0000	9.7578	9.7578	9.3200e-003	0.0000	9.9909
Total	**2.9194**	**0.0686**	**5.9453**	**3.2000e-004**		**0.0331**	**0.0331**		**0.0331**	**0.0331**	**0.0000**	**9.7578**	**9.7578**	**9.3200e-003**	**0.0000**	**9.9909**

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.2360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5049					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	0.1785	0.0686	5.9453	3.2000e-004		0.0331	0.0331		0.0331	0.0331	0.0000	9.7578	9.7578	9.3200e-003	0.0000	9.9909
Total	**2.9194**	**0.0686**	**5.9453**	**3.2000e-004**		**0.0331**	**0.0331**		**0.0331**	**0.0331**	**0.0000**	**9.7578**	**9.7578**	**9.3200e-003**	**0.0000**	**9.9909**

7.0 Water Detail

7.1 Mitigation Measures Water

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	21.1674	0.1340	0.0102	27.5399
Unmitigated	21.1674	0.1340	0.0102	27.5399

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.0582 / 7.6019	18.3624	0.1225	9.2800e-003	24.1891
City Park	0 / 1.69182	1.0973	0.0000	0.0000	1.0973
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0381566 / 0.0240553	0.0581	3.9000e-004	3.0000e-005	0.0765
General Office Building	0.385289 / 0.236145	0.5823	3.9100e-003	3.0000e-004	0.7685
Strip Mall	0.70611 / 0.432777	1.0673	7.1700e-003	5.4000e-004	1.4085
Total		**21.1674**	**0.1340**	**0.0102**	**27.5399**

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.0582 / 7.6019	18.3624	0.1225	9.2800e-003	24.1891
City Park	0 / 1.69182	1.0973	0.0000	0.0000	1.0973
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0381566 / 0.0240553	0.0581	3.9000e-004	3.0000e-005	0.0765
General Office Building	0.385289 / 0.236145	0.5823	3.9100e-003	3.0000e-004	0.7685
Strip Mall	0.70611 / 0.432777	1.0673	7.1700e-003	5.4000e-004	1.4085
Total		**21.1674**	**0.1340**	**0.0102**	**27.5399**

8.0 Waste Detail

8.1 Mitigation Measures Waste

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	46.8158	2.7667	0.0000	115.9842
Unmitigated	46.8158	2.7667	0.0000	115.9842

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	183.2	37.1879	2.1977	0.0000	92.1316
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Condo/Townhouse	15.53	3.1525	0.1863	0.0000	7.8101
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	16.04	3.2560	0.1924	0.0000	8.0665
Strip Mall	15.75	3.1971	0.1889	0.0000	7.9207
Total		**46.8158**	**2.7667**	**0.0000**	**115.9842**

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	183.2	37.1879	2.1977	0.0000	92.1316
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Condo/Townhouse	15.53	3.1525	0.1863	0.0000	7.8101
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	16.04	3.2560	0.1924	0.0000	8.0665
Strip Mall	15.75	3.1971	0.1889	0.0000	7.9207
Total		**46.8158**	**2.7667**	**0.0000**	**115.9842**

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

Boilers

OSP - Phase 3 - Scenario A - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

OSP - Phase 3 - Scenario B - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

OSP - Phase 3 - Scenario B - Operational Only

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.00	1000sqft	0.00	9,000.00	0
Enclosed Parking with Elevator	514.00	Space	0.00	386,652.00	0
City Park	1.60	Acre	1.60	69,696.00	0
Apartments Mid Rise	385.00	Dwelling Unit	5.54	385,000.00	932
Condo/Townhouse	45.00	Dwelling Unit	0.00	45,000.00	109
Strip Mall	15.00	1000sqft	0.00	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	128.7	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction Modeled Separately

Off-road Equipment - ss

Off-road Equipment - Construction Modeled Separately

Trips and VMT - Construction Modeled Separately

Demolition - see assumptions

OSP - Phase 3 - Scenario B - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading - see Assumptions

Architectural Coating - Construction Modeled Separately

Vehicle Trips - See Assumptions

Woodstoves - See Assumptions - No Hearth in Residential

Area Coating -

Landscape Equipment -

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	30,350.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	91,050.00	0.00
tblArchitecturalCoating	ConstArea_Parking	23,199.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	290,250.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	870,750.00	0.00
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3,054.10	4,469.93
tblEnergyUse	NT24E	3,795.01	5,210.84
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	NT24NG	4,831.00	0.00
tblEnergyUse	T24E	35.05	1,260.03
tblEnergyUse	T24E	39.19	3,603.70
tblEnergyUse	T24NG	4,179.80	0.00
tblEnergyUse	T24NG	12,162.60	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	NumberGas	327.25	0.00
tblFireplaces	NumberGas	38.25	0.00
tblFireplaces	NumberNoFireplace	38.50	385.00
tblFireplaces	NumberNoFireplace	4.50	45.00
tblFireplaces	NumberWood	19.25	0.00
tblFireplaces	NumberWood	2.25	0.00
tblLandUse	LandUseSquareFeet	205,600.00	386,652.00
tblLandUse	LotAcreage	0.21	0.00
tblLandUse	LotAcreage	4.63	0.00
tblLandUse	LotAcreage	10.13	5.54
tblLandUse	LotAcreage	2.81	0.00
tblLandUse	LotAcreage	0.34	0.00
tblLandUse	Population	1,101.00	932.00
tblLandUse	Population	129.00	109.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	390.98	128.7
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblSolidWaste	SolidWasteGenerationRate	177.10	132.83
tblSolidWaste	SolidWasteGenerationRate	0.14	0.11
tblSolidWaste	SolidWasteGenerationRate	20.70	15.53
tblSolidWaste	SolidWasteGenerationRate	8.37	6.28
tblSolidWaste	SolidWasteGenerationRate	18.90	14.18
tblTripsAndVMT	WorkerTripNumber	102.00	0.00
tblVehicleTrips	CC_TL	8.40	10.51
tblVehicleTrips	CC_TL	8.40	10.51
tblVehicleTrips	CNW_TL	6.90	10.51
tblVehicleTrips	CNW_TL	6.90	10.51

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CW_TL	16.60	10.51
tblVehicleTrips	CW_TL	16.60	10.51
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	5.34
tblVehicleTrips	HO_TL	8.70	5.34
tblVehicleTrips	HS_TL	5.90	5.34
tblVehicleTrips	HS_TL	5.90	5.34
tblVehicleTrips	HW_TL	14.70	5.34
tblVehicleTrips	HW_TL	14.70	5.34
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	6.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	6.25
tblVehicleTrips	ST_TR	2.21	28.79
tblVehicleTrips	ST_TR	42.04	28.79
tblVehicleTrips	SU_TR	4.09	6.25
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	6.25
tblVehicleTrips	SU_TR	0.70	28.79

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	20.43	28.79
tblVehicleTrips	WD_TR	5.44	6.25
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	6.25
tblVehicleTrips	WD_TR	9.74	28.79
tblVehicleTrips	WD_TR	44.32	28.79
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	25,084,299.86	8,970,626.10
tblWater	IndoorWaterUseRate	2,931,931.15	0.00
tblWater	IndoorWaterUseRate	0.00	38,156.64
tblWater	IndoorWaterUseRate	1,599,603.73	150,765.09
tblWater	IndoorWaterUseRate	1,333,305.39	529,582.44
tblWater	OutdoorWaterUseRate	15,814,015.13	5,655,394.70
tblWater	OutdoorWaterUseRate	1,906,370.16	1,691,820.64
tblWater	OutdoorWaterUseRate	1,848,391.38	0.00
tblWater	OutdoorWaterUseRate	0.00	24,055.27
tblWater	OutdoorWaterUseRate	980,402.29	92,404.41
tblWater	OutdoorWaterUseRate	817,187.17	324,582.78

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	19.25	0.00
tblWoodstoves	NumberCatalytic	2.25	0.00
tblWoodstoves	NumberNoncatalytic	19.25	0.00
tblWoodstoves	NumberNoncatalytic	2.25	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

2.0 Emissions Summary

OSP - Phase 3 - Scenario B - Operational Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

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	2.0884	0.0510	4.4218	2.3000e-004		0.0246	0.0246		0.0246	0.0246	0.0000	7.2570	7.2570	6.9300e-003	0.0000	7.4302
Energy	6.3000e-004	5.7500e-003	4.8300e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	318.2908	318.2908	1.2000e-004	1.1000e-004	318.3280
Mobile	1.1226	1.0349	10.6909	0.0216	2.9561	0.0113	2.9674	0.7890	0.0105	0.7995	0.0000	2,182.8083	2,182.8083	0.1549	0.0951	2,215.0104
Waste						0.0000	0.0000		0.0000	0.0000	34.2913	0.0000	34.2913	2.0266	0.0000	84.9552
Water						0.0000	0.0000		0.0000	0.0000	3.4280	12.4163	15.8443	0.0984	7.4500e-003	20.5262
Total	**3.2116**	**1.0917**	**15.1175**	**0.0218**	**2.9561**	**0.0363**	**2.9924**	**0.7890**	**0.0356**	**0.8246**	**37.7193**	**2,520.7723**	**2,558.4916**	**2.2869**	**0.1026**	**2,646.2500**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.0884	0.0510	4.4218	2.3000e-004		0.0246	0.0246		0.0246	0.0246	0.0000	7.2570	7.2570	6.9300e-003	0.0000	7.4302
Energy	6.3000e-004	5.7500e-003	4.8300e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	318.2908	318.2908	1.2000e-004	1.1000e-004	318.3280
Mobile	1.1226	1.0349	10.6909	0.0216	2.9561	0.0113	2.9674	0.7890	0.0105	0.7995	0.0000	2,182.8083	2,182.8083	0.1549	0.0951	2,215.0104
Waste						0.0000	0.0000		0.0000	0.0000	34.2913	0.0000	34.2913	2.0266	0.0000	84.9552
Water						0.0000	0.0000		0.0000	0.0000	3.4280	12.4163	15.8443	0.0984	7.4500e-003	20.5262
Total	**3.2116**	**1.0917**	**15.1175**	**0.0218**	**2.9561**	**0.0363**	**2.9924**	**0.7890**	**0.0356**	**0.8246**	**37.7193**	**2,520.7723**	**2,558.4916**	**2.2869**	**0.1026**	**2,646.2500**

	ROG	NOx	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	Architectural Coating - Phase 3	Architectural Coating	3/1/2034	3/1/2034	5	1	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating - Phase 3	Air Compressors	0	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
Architectural Coating - Phase 3	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - Phase 3 - 2034

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - Phase 3 - 2034

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.1226	1.0349	10.6909	0.0216	2.9561	0.0113	2.9674	0.7890	0.0105	0.7995	0.0000	2,182.8083	2,182.8083	0.1549	0.0951	2,215.0104
Unmitigated	1.1226	1.0349	10.6909	0.0216	2.9561	0.0113	2.9674	0.7890	0.0105	0.7995	0.0000	2,182.8083	2,182.8083	0.1549	0.0951	2,215.0104

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,406.25	2,406.25	2406.25	4,672,793	4,672,793
City Park	0.00	0.00	0.00		
Condo/Townhouse	281.25	281.25	281.25	546,171	546,171
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	259.11	259.11	259.11	991,262	991,262
Strip Mall	431.85	431.85	431.85	1,652,103	1,652,103
Total	3,378.46	3,378.46	3,378.46	7,862,328	7,862,328

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	5.34	5.34	5.34	40.20	19.20	40.60	100	0	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	5.34	5.34	5.34	40.20	19.20	40.60	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	10.51	10.51	10.51	33.00	48.00	19.00	100	0	0
Strip Mall	10.51	10.51	10.51	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Condo/Townhouse	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Enclosed Parking with Elevator	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Strip Mall	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	312.0344	312.0344	0.0000	0.0000	312.0344
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	312.0344	312.0344	0.0000	0.0000	312.0344
NaturalGas Mitigated	6.3000e-004	5.7500e-003	4.8300e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2564	6.2564	1.2000e-004	1.1000e-004	6.2936
NaturalGas Unmitigated	6.3000e-004	5.7500e-003	4.8300e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2564	6.2564	1.2000e-004	1.1000e-004	6.2936

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	92790	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9516	4.9516	9.0000e-005	9.0000e-005	4.9811
Strip Mall	24450	1.3000e-004	1.2000e-003	1.0100e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3048	1.3048	3.0000e-005	2.0000e-005	1.3125
Total		**6.3000e-004**	**5.7500e-003**	**4.8300e-003**	**4.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**	**0.0000**	**6.2564**	**6.2564**	**1.2000e-004**	**1.1000e-004**	**6.2936**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	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
City Park	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
Condo/Townhouse	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
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	92790	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9516	4.9516	9.0000e-005	9.0000e-005	4.9811
Strip Mall	24450	1.3000e-004	1.2000e-003	1.0100e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3048	1.3048	3.0000e-005	2.0000e-005	1.3125
Total		**6.3000e-004**	**5.7500e-003**	**4.8300e-003**	**4.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.4000e-004**	**4.4000e-004**	**0.0000**	**6.2564**	**6.2564**	**1.2000e-004**	**1.1000e-004**	**6.2936**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.49149e+006	145.4465	0.0000	0.0000	145.4465
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	441704	25.7855	0.0000	0.0000	25.7855
Enclosed Parking with Elevator	2.10339e+006	122.7901	0.0000	0.0000	122.7901
General Office Building	112500	6.5675	0.0000	0.0000	6.5675
Strip Mall	196050	11.4449	0.0000	0.0000	11.4449
Total		**312.0345**	**0.0000**	**0.0000**	**312.0345**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.49149e+006	145.4465	0.0000	0.0000	145.4465
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	441704	25.7855	0.0000	0.0000	25.7855
Enclosed Parking with Elevator	2.10339e+006	122.7901	0.0000	0.0000	122.7901
General Office Building	112500	6.5675	0.0000	0.0000	6.5675
Strip Mall	196050	11.4449	0.0000	0.0000	11.4449
Total		**312.0345**	**0.0000**	**0.0000**	**312.0345**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive 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	2.0884	0.0510	4.4218	2.3000e-004		0.0246	0.0246		0.0246	0.0246	0.0000	7.2570	7.2570	6.9300e-003	0.0000	7.4302
Unmitigated	2.0884	0.0510	4.4218	2.3000e-004		0.0246	0.0246		0.0246	0.0246	0.0000	7.2570	7.2570	6.9300e-003	0.0000	7.4302

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	0.1680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7876					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	0.1327	0.0510	4.4218	2.3000e-004		0.0246	0.0246		0.0246	0.0246	0.0000	7.2570	7.2570	6.9300e-003	0.0000	7.4302
Total	**2.0884**	**0.0510**	**4.4218**	**2.3000e-004**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**7.2570**	**7.2570**	**6.9300e-003**	**0.0000**	**7.4302**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7876					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	0.1327	0.0510	4.4218	2.3000e-004		0.0246	0.0246		0.0246	0.0246	0.0000	7.2570	7.2570	6.9300e-003	0.0000	7.4302
Total	**2.0884**	**0.0510**	**4.4218**	**2.3000e-004**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**7.2570**	**7.2570**	**6.9300e-003**	**0.0000**	**7.4302**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	15.8443	0.0984	7.4500e-003	20.5262
Unmitigated	15.8443	0.0984	7.4500e-003	20.5262

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	8.97063 / 5.65539	13.6606	0.0911	6.9000e-003	17.9954
City Park	0 / 1.69182	1.0973	0.0000	0.0000	1.0973
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0381566 / 0.0240553	0.0581	3.9000e-004	3.0000e-005	0.0765
General Office Building	0.150765 / 0.0924044	0.2279	1.5300e-003	1.2000e-004	0.3007
Strip Mall	0.529582 / 0.324583	0.8004	5.3800e-003	4.1000e-004	1.0563
Total		**15.8443**	**0.0984**	**7.4600e-003**	**20.5262**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	8.97063 / 5.65539	13.6606	0.0911	6.9000e-003	17.9954
City Park	0 / 1.69182	1.0973	0.0000	0.0000	1.0973
Condo/Townhouse	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0.0381566 / 0.0240553	0.0581	3.9000e-004	3.0000e-005	0.0765
General Office Building	0.150765 / 0.0924044	0.2279	1.5300e-003	1.2000e-004	0.3007
Strip Mall	0.529582 / 0.324583	0.8004	5.3800e-003	4.1000e-004	1.0563
Total		**15.8443**	**0.0984**	**7.4600e-003**	**20.5262**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	34.2913	2.0266	0.0000	84.9552
Unmitigated	34.2913	2.0266	0.0000	84.9552

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	132.83	26.9633	1.5935	0.0000	66.8004
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Condo/Townhouse	15.53	3.1525	0.1863	0.0000	7.8101
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.28	1.2748	0.0753	0.0000	3.1582
Strip Mall	14.18	2.8784	0.1701	0.0000	7.1311
Total		**34.2913**	**2.0266**	**0.0000**	**84.9552**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	132.83	26.9633	1.5935	0.0000	66.8004
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
Condo/Townhouse	15.53	3.1525	0.1863	0.0000	7.8101
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.28	1.2748	0.0753	0.0000	3.1582
Strip Mall	14.18	2.8784	0.1701	0.0000	7.1311
Total		**34.2913**	**2.0266**	**0.0000**	**84.9552**

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

Boilers

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation