

Appendix A

**Air Quality, Greenhouse Gas Emissions,
and Energy Calculations**

Construction

Regional Emissions (lb/day)

Construction Phase	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	SO ₂
Phase 1: Modernize Library	0.9926	2.0681	2.8879	0.1557	0.1066	0.0044
Phase 2: Construct New STEAM Building	4.4479	4.0685	6.7870	1.4569	0.3555	0.0105
Phase 3: Create 6th Grade Cohort & Modernize 8th Grade Courtyard	4.5000	3.6788	5.8871	0.3123	0.1922	0.0090
Phase 4: Renovate Central Quad & Renovate Cafeteria	1.0330	10.1653	16.8341	0.8027	0.4777	0.0260
SCAQMD Construction Threshold	75	100	550	150	55	150
Exceed Thresold?	No	No	No	No	No	No

Localized Emissions (lb/day)

Construction Phase	NO _x	CO	PM ₁₀	PM _{2.5}
Phase 1: Modernize Library	2.0467	2.5371	0.0433	0.0764
Phase 2: Construct New STEAM Building	3.5531	5.6398	1.0127	0.2333
Phase 3: Create 6th Grade Cohort & Modernize 8th Grade Courtyard	3.6348	5.1358	0.0447	0.1205
Phase 4: Renovate Central Quad & Renovate Cafeteria	10.1122	15.8625	0.4208	0.3752
SCAQMD Construction LST	103	562	4.0	3.0
Exceed Thresold?	No	No	No	No

GHG Emissions

Construction Phase	MTCO ₂ e
Phase 1: Modernize Library	8
Phase 2: Construct New STEAM Building	80
Phase 3: Create 6th Grade Cohort & Modernize 8th Grade Courtyard	12
Phase 4: Renovate Central Quad & Renovate Cafeteria	35
Total GHGs	135
Amortized GHGs	4

Operations

Regional Emissions (lb/day)

Operational Element	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	SO ₂
Area	0.35040	0.00001	0.00160	0.00001	0.00001	0.00000
Energy	0.00478	0.04340	0.03650	0.00330	0.00330	0.00026
Mobile	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.35520	0.04340	0.03810	0.00331	0.00331	0.00026
SCAQMD Operational Threshold	55	55	550	150	55	150
Exceed Threshold?	No	No	No	No	No	No

Localized Emissions (lb/day)

Operational Element	NO _x	CO	PM ₁₀	PM _{2.5}
Area	0.000010	0.001600	0.000010	0.000010
Energy	0.043400	0.036500	0.003300	0.003300
Mobile	0.000000	0.000000	0.000000	0.000000
Total	0.043400	0.038100	0.003310	0.003310
SCAQMD Operational LST	103	562	1	1
Exceed Threshold?	No	No	No	No

GHG Emissions

Operational Element	MTCO ₂ e
Area	<1
Energy	23
Solid Waste	10
Water	4
Construction GHG - Amortized	4
Total GHGs	41

JAMS Construction Phase 1 - South Coast AQMD Air District, Annual

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

JAMS Construction Phase 1
South Coast AQMD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	3.46	1000sqft	0.08	3,456.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Library Improvements (no change in sqft)

Construction Phase - Renovations scaled using CalEEMod defaults

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Based on data

Off-road Equipment - Based on data request

Trips and VMT -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tbiArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tbiArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tbiArchitecturalCoating	EF_Parking	100.00	50.00
tbiConstructionPhase	NumDays	5.00	20.00
tbiConstructionPhase	NumDays	10.00	40.00
tbiConstructionPhase	NumDays	2.00	8.00
tbiConstructionPhase	NumDays	5.00	20.00
tbiGrading	MaterialImported	0.00	54.59
tbiLandUse	LandUseSquareFeet	3,460.00	3,456.00
tbiOffRoadEquipment	UsageHours	7.00	6.00
tbiProjectCharacteristics	CO2IntensityFactor	390.98	348.64

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					
2023	0.0126	0.0410	0.0578	9.0000e-005	7.9000e-004	2.0200e-003	2.8100e-003	2.1000e-004	1.9200e-003	2.1200e-003	0.0000	7.9018	7.9018	1.7000e-003	2.0000e-005	7.9490
Maximum	0.0126	0.0410	0.0578	9.0000e-005	7.9000e-004	2.0200e-003	2.8100e-003	2.1000e-004	1.9200e-003	2.1200e-003	0.0000	7.9018	7.9018	1.7000e-003	2.0000e-005	7.9490

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
Year	tons/yr										MT/yr					
2023	0.0126	0.0410	0.0578	9.0000e-005	7.8000e-004	2.0200e-003	2.8000e-003	2.0000e-004	1.9200e-003	2.1200e-003	0.0000	7.9018	7.9018	1.7000e-003	2.0000e-005	7.9490
Maximum	0.0126	0.0410	0.0578	9.0000e-005	7.8000e-004	2.0200e-003	2.8000e-003	2.0000e-004	1.9200e-003	2.1200e-003	0.0000	7.9018	7.9018	1.7000e-003	2.0000e-005	7.9490

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	0.0312	0.0312
2	9-1-2023	9-30-2023	0.0230	0.0230
		Highest	0.0312	0.0312

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	0.0141	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005
Energy	3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	9.2476	9.2476	6.3000e-004	1.3000e-004	9.3017
Mobile	0.1048	0.1178	0.9973	2.1400e-003	0.2266	1.5900e-003	0.2282	0.0605	1.4800e-003	0.0620	0.0000	197.6352	197.6352	0.0138	9.2700e-003	200.7415
Waste						0.0000	0.0000		0.0000	0.0000	0.6475	0.0000	0.6475	0.0383	0.0000	1.6043
Water						0.0000	0.0000		0.0000	0.0000	0.0344	0.5204	0.5548	3.5800e-003	9.0000e-005	0.6708
Total	0.1192	0.1208	0.9999	2.1600e-003	0.2266	1.8200e-003	0.2285	0.0605	1.7100e-003	0.0622	0.6819	207.4033	208.0852	0.0563	9.4900e-003	212.3182

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0141	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005
Energy	3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	9.2476	9.2476	6.3000e-004	1.3000e-004	9.3017
Mobile	0.1048	0.1178	0.9973	2.1400e-003	0.2266	1.5900e-003	0.2282	0.0605	1.4800e-003	0.0620	0.0000	197.6352	197.6352	0.0138	9.2700e-003	200.7415
Waste						0.0000	0.0000		0.0000	0.0000	0.6475	0.0000	0.6475	0.0383	0.0000	1.6043
Water						0.0000	0.0000		0.0000	0.0000	0.0344	0.5204	0.5548	3.5800e-003	9.0000e-005	0.6708
Total	0.1192	0.1208	0.9999	2.1600e-003	0.2266	1.8200e-003	0.2285	0.0605	1.7100e-003	0.0622	0.6819	207.4033	208.0852	0.0563	9.4900e-003	212.3182

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

Construction Phase

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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 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					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	7.2000e-003	0.0109	2.0000e-005		3.2000e-004	3.2000e-004		2.9000e-004	2.9000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
Total	6.5000e-004	7.2000e-003	0.0109	2.0000e-005	2.0000e-005	3.2000e-004	3.4000e-004	0.0000	2.9000e-004	2.9000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.0000e-005	5.0000e-005	6.5000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1717	0.1717	0.0000	0.0000	0.1731
Total	6.0000e-005	5.0000e-005	6.5000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1717	0.1717	0.0000	0.0000	0.1731

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	7.2000e-003	0.0109	2.0000e-005		3.2000e-004	3.2000e-004		2.9000e-004	2.9000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
Total	6.5000e-004	7.2000e-003	0.0109	2.0000e-005	1.0000e-005	3.2000e-004	3.3000e-004	0.0000	2.9000e-004	2.9000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.0000e-005	5.0000e-005	6.5000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1717	0.1717	0.0000	0.0000	0.1731
Total	6.0000e-005	5.0000e-005	6.5000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1717	0.1717	0.0000	0.0000	0.1731

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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 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	1.8300e-003	0.0206	0.0266	4.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	3.3812	3.3812	1.0900e-003	0.0000	3.4085
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8300e-003	0.0206	0.0266	4.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	3.3812	3.3812	1.0900e-003	0.0000	3.4085

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.2000e-004	1.6300e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4293	0.4293	1.0000e-005	1.0000e-005	0.4329
Total	1.6000e-004	1.2000e-004	1.6300e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4293	0.4293	1.0000e-005	1.0000e-005	0.4329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8300e-003	0.0206	0.0266	4.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	3.3812	3.3812	1.0900e-003	0.0000	3.4085
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8300e-003	0.0206	0.0266	4.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	3.3812	3.3812	1.0900e-003	0.0000	3.4085

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.2000e-004	1.6300e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4293	0.4293	1.0000e-005	1.0000e-005	0.4329
Total	1.6000e-004	1.2000e-004	1.6300e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4293	0.4293	1.0000e-005	1.0000e-005	0.4329

Unmitigated Construction On-Site

Unmitigated Construction Off-Site

Mitigated Construction On-Site

Mitigated Construction Off-Site

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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	0.1048	0.1178	0.9973	2.1400e-003	0.2266	1.5900e-003	0.2282	0.0605	1.4800e-003	0.0620	0.0000	197.6352	197.6352	0.0138	9.2700e-003	200.7415
Unmitigated	0.1048	0.1178	0.9973	2.1400e-003	0.2266	1.5900e-003	0.2282	0.0605	1.4800e-003	0.0620	0.0000	197.6352	197.6352	0.0138	9.2700e-003	200.7415

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Library	249.29	277.11	145.63	602.032	602.032
Total	249.29	277.11	145.63	602.032	602.032

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Library	0.542450	0.061470	0.185138	0.129299	0.023799	0.006448	0.011958	0.009209	0.000810	0.000503	0.024446	0.000751	0.003721

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	5.9354	5.9354	5.6000e-004	7.0000e-005	5.9697
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.9354	5.9354	5.6000e-004	7.0000e-005	5.9697
Natural Gas Mitigated	3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3123	3.3123	6.0000e-005	6.0000e-005	3.3320
Natural Gas Unmitigated	3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3123	3.3123	6.0000e-005	6.0000e-005	3.3320

5.2 Energy by Land Use - Natural Gas

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						
Library	62069.8	3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3123	3.3123	6.0000e-005	6.0000e-005	3.3320	
Total		3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3123	3.3123	6.0000e-005	6.0000e-005	3.3320	

JAMS Construction Phase 1 - South Coast AQMD Air District, Annual

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

	Natural Gas 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					
Library	62069.8	3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3123	3.3123	6.0000e-005	6.0000e-005	3.3320
Total		3.3000e-004	3.0400e-003	2.5600e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3123	3.3123	6.0000e-005	6.0000e-005	3.3320

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Library	37532.2	5.9354	5.6000e-004	7.0000e-005	5.9697
Total		5.9354	5.6000e-004	7.0000e-005	5.9697

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Library	37532.2	5.9354	5.6000e-004	7.0000e-005	5.9697
Total		5.9354	5.6000e-004	7.0000e-005	5.9697

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	tons/yr										MT/yr					
Mitigated	0.0141	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005
Unmitigated	0.0141	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005

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	1.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0125					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	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005
Total	0.0141	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005

JAMS Construction Phase 1 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	1.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0125					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	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005
Total	0.0141	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	9.0000e-005

7.0 Water Detail**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.5548	3.5800e-003	9.0000e-005	0.6708
Unmitigated	0.5548	3.5800e-003	9.0000e-005	0.6708

7.2 Water by Land Use**Unmitigated**

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Library	0.10826 / 0.169329	0.5548	3.5800e-003	9.0000e-005	0.6708
Total		0.5548	3.5800e-003	9.0000e-005	0.6708

Mitigated

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Library	0.10826 / 0.169329	0.5548	3.5800e-003	9.0000e-005	0.6708
Total		0.5548	3.5800e-003	9.0000e-005	0.6708

JAMS Construction Phase 1 - South Coast AQMD Air District, Annual

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**Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.6475	0.0383	0.0000	1.6043
Unmitigated	0.6475	0.0383	0.0000	1.6043

8.2 Waste by Land UseUnmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Library	3.19	0.6475	0.0383	0.0000	1.6043
Total		0.6475	0.0383	0.0000	1.6043

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Library	3.19	0.6475	0.0383	0.0000	1.6043
Total		0.6475	0.0383	0.0000	1.6043

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary EquipmentFire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

JAMS Construction Phase 1 - South Coast AQMD Air District, Summer

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

JAMS Construction Phase 1
South Coast AQMD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	3.46	1000sqft	0.08	3,456.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWahr)	348.64	CH4 Intensity (lb/MWahr)	0.033	N2O Intensity (lb/MWahr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Library Improvements (no change in sqft)

Construction Phase - Renovations scaled using CalEEMod defaults

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Based on data

Off-road Equipment - Based on data request

Trips and VMT -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tbiArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tbiArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tbiArchitecturalCoating	EF_Parking	100.00	50.00
tbiConstructionPhase	NumDays	5.00	20.00
tbiConstructionPhase	NumDays	10.00	40.00
tbiConstructionPhase	NumDays	2.00	8.00
tbiConstructionPhase	NumDays	5.00	20.00
tbiGrading	MaterialImported	0.00	54.59
tbiLandUse	LandUseSquareFeet	3,460.00	3,456.00
tbiOffRoadEquipment	UsageHours	7.00	6.00
tbiProjectCharacteristics	CO2IntensityFactor	390.98	348.64

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					
2023	0.9926	2.0681	2.8879	4.3800e-003	0.0612	0.0998	0.1557	0.0154	0.0918	0.1066	0.0000	426.0267	426.0267	0.1230	1.1300e-003	429.4380
Maximum	0.9926	2.0681	2.8879	4.3800e-003	0.0612	0.0998	0.1557	0.0154	0.0918	0.1066	0.0000	426.0267	426.0267	0.1230	1.1300e-003	429.4380

JAMS Construction Phase 1 - South Coast AQMD Air District, Summer

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

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					
2023	0.9926	2.0681	2.8879	4.3800e-003	0.0580	0.0998	0.1557	0.0151	0.0918	0.1066	0.0000	426.0267	426.0267	0.1230	1.1300e-003	429.4380
Maximum	0.9926	2.0681	2.8879	4.3800e-003	0.0580	0.0998	0.1557	0.0151	0.0918	0.1066	0.0000	426.0267	426.0267	0.1230	1.1300e-003	429.4380

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	5.26	0.00	0.00	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0772	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004
Energy	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253
Mobile	0.7100	0.6925	6.4690	0.0142	1.4741	0.0102	1.4843	0.3928	9.4500e-003	0.4023		1,442.4998	1,442.4998	0.0941	0.0624	1,463.4582
Total	0.7891	0.7092	6.4834	0.0143	1.4741	0.0114	1.4856	0.3928	0.0107	0.4035		1,462.5070	1,462.5070	0.0945	0.0628	1,483.5842

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	0.0772	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004
Energy	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253
Mobile	0.7100	0.6925	6.4690	0.0142	1.4741	0.0102	1.4843	0.3928	9.4500e-003	0.4023		1,442.4998	1,442.4998	0.0941	0.0624	1,463.4582
Total	0.7891	0.7092	6.4834	0.0143	1.4741	0.0114	1.4856	0.3928	0.0107	0.4035		1,462.5070	1,462.5070	0.0945	0.0628	1,483.5842

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	6/1/2023	7/26/2023	5	40	
2	Grading	Grading	6/15/2023	6/26/2023	5	8	
3	Paving	Paving	8/1/2023	8/28/2023	5	20	
4	Architectural Coating	Architectural Coating	9/1/2023	9/28/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.034

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,184; Non-Residential Outdoor: 1,728; Striped Parking Area: 0 (Architectural Coating)

JAMS Construction Phase 1 - South Coast AQMD Air District, Summer

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Skid Steer Loaders	1	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	1	6.00	65	0.37
Archetctural Coating	Air Compressors	1	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			0.00	0.00	14.70	6.90				
Grading	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Archetctural Coating	1	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

3.2 Demolition - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					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
Total					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	lb/day										lb/day					
Hauling					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
Worker					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

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	lb/day										lb/day					
Fugitive Dust					5.2800e-003	0.0000	5.2800e-003	6.0000e-004	0.0000	6.0000e-004			0.0000			0.0000
Off-Road	0.1623	1.8003	2.7125	3.8900e-003		0.0788	0.0788		0.0725	0.0725		376.5470	376.5470	0.1218		379.5916
Total	0.1623	1.8003	2.7125	3.8900e-003	5.2800e-003	0.0788	0.0841	6.0000e-004	0.0725	0.0731		376.5470	376.5470	0.1218		379.5916

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464
Total	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464

JAMS Construction Phase 1 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.0600e-003	0.0000	2.0600e-003	2.4000e-004	0.0000	2.4000e-004			0.0000			0.0000
Off-Road	0.1623	1.8003	2.7125	3.8900e-003		0.0788	0.0788		0.0725	0.0725	0.0000	376.5470	376.5470	0.1218		379.5916
Total	0.1623	1.8003	2.7125	3.8900e-003	2.0600e-003	0.0788	0.0809	2.4000e-004	0.0725	0.0727	0.0000	376.5470	376.5470	0.1218		379.5916

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464
Total	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464

3.4 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1833	2.0574	2.6598	3.8500e-003		0.0995	0.0995		0.0915	0.0915		372.7089	372.7089	0.1205		375.7224
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1833	2.0574	2.6598	3.8500e-003		0.0995	0.0995		0.0915	0.0915		372.7089	372.7089	0.1205		375.7224

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464
Total	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1833	2.0574	2.6598	3.8500e-003		0.0995	0.0995		0.0915	0.0915	0.0000	372.7089	372.7089	0.1205		375.7224
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1833	2.0574	2.6598	3.8500e-003		0.0995	0.0995		0.0915	0.0915	0.0000	372.7089	372.7089	0.1205		375.7224

JAMS Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464
Total	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464

3.5 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	0.9926	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0000	0.0000	0.0000	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	0.9926	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0000	0.0000	0.0000	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

JAMS Construction Phase 1 - South Coast AQMD Air District, 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	0.7100	0.6925	6.4690	0.0142	1.4741	0.0102	1.4843	0.3928	9.4500e-003	0.4023		1,442.4998	1,442.4998	0.0941	0.0624	1,463.4582
Unmitigated	0.7100	0.6925	6.4690	0.0142	1.4741	0.0102	1.4843	0.3928	9.4500e-003	0.4023		1,442.4998	1,442.4998	0.0941	0.0624	1,463.4582

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Library	249.29	277.11	145.63	602.032	602.032
Total	249.29	277.11	145.63	602.032	602.032

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Library	0.542450	0.061470	0.185138	0.129299	0.023799	0.006448	0.011958	0.009209	0.000810	0.000503	0.024446	0.000751	0.003721

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					
Natural Gas Mitigated	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253
Natural Gas Unmitigated	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Library	170.054	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253
Total		1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253

Mitigated

	Natural Gas 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					
Library	0.170054	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253
Total		1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003		20.0064	20.0064	3.8000e-004	3.7000e-004	20.1253

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	0.0772	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004
Unmitigated	0.0772	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004

JAMS Construction Phase 1 - South Coast AQMD Air District, 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	8.7800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004
Total	0.0772	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004

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	8.7800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004
Total	0.0772	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.6000e-004	7.6000e-004	0.0000		8.1000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

JAMS Construction Phase 2 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**JAMS Construction Phase 2**
South Coast AQMD Air District, Annual**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	15.68	1000sqft	0.36	15,677.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - STEAM building improvements and construction

Construction Phase - based on duration from PD scaled using CalEEMod defaults

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	17.00
tblConstructionPhase	NumDays	100.00	339.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	5.00	17.00
tblGrading	MaterialImported	0.00	148.00
tblLandUse	LandUseSquareFeet	15,680.00	15,677.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

JAMS Construction Phase 2 - South Coast AQMD Air District, Annual

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****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					
2025	0.0246	0.2352	0.3515	6.1000e-004	0.0628	0.0105	0.0733	0.0111	9.6700e-003	0.0208	0.0000	54.7419	54.7419	0.0130	1.3700e-003	55.4760
2026	0.0486	0.1059	0.1525	2.7000e-004	6.8900e-003	5.1800e-003	0.0121	1.8600e-003	4.8000e-003	6.6600e-003	0.0000	24.0169	24.0169	4.9500e-003	6.1000e-004	24.3241
Maximum	0.0486	0.2352	0.3515	6.1000e-004	0.0628	0.0105	0.0733	0.0111	9.6700e-003	0.0208	0.0000	54.7419	54.7419	0.0130	1.3700e-003	55.4760

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					
2025	0.0246	0.2352	0.3515	6.1000e-004	0.0330	0.0105	0.0435	6.6400e-003	9.6700e-003	0.0163	0.0000	54.7419	54.7419	0.0130	1.3700e-003	55.4760
2026	0.0486	0.1059	0.1525	2.7000e-004	6.8900e-003	5.1800e-003	0.0121	1.8600e-003	4.8000e-003	6.6600e-003	0.0000	24.0169	24.0169	4.9500e-003	6.1000e-004	24.3240
Maximum	0.0486	0.2352	0.3515	6.1000e-004	0.0330	0.0105	0.0435	6.6400e-003	9.6700e-003	0.0163	0.0000	54.7419	54.7419	0.0130	1.3700e-003	55.4760

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	42.76	0.00	34.90	34.62	0.00	16.41	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
7	12-1-2024	2-28-2025	0.0715	0.0715
8	3-1-2025	5-31-2025	0.0741	0.0741
9	6-1-2025	8-31-2025	0.0493	0.0493
10	9-1-2025	11-30-2025	0.0490	0.0490
11	12-1-2025	2-28-2026	0.0484	0.0484
12	3-1-2026	5-31-2026	0.0493	0.0493
13	6-1-2026	8-31-2026	0.0756	0.0756
		Highest	0.0756	0.0756

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	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Energy	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	22.8556	22.8556	1.5100e-003	3.2000e-004	22.9892
Mobile	0.0910	0.1107	0.9825	2.3300e-003	0.2739	1.6300e-003	0.2755	0.0731	1.5200e-003	0.0746	0.0000	215.8332	215.8332	0.0132	9.1900e-003	218.9023
Waste						0.0000	0.0000		0.0000	0.0000	4.1370	0.0000	4.1370	0.2445	0.0000	10.2491
Water						0.0000	0.0000		0.0000	0.0000	0.1652	3.4243	3.5895	0.0173	4.4000e-004	4.1528
Total	0.1558	0.1187	0.9893	2.3800e-003	0.2739	2.2300e-003	0.2761	0.0731	2.1200e-003	0.0752	4.3021	242.1135	246.4157	0.2765	9.9500e-003	256.2939

JAMS Construction Phase 2 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Energy	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	22.8556	22.8556	1.5100e-003	3.2000e-004	22.9892
Mobile	0.0910	0.1107	0.9825	2.3300e-003	0.2739	1.6300e-003	0.2755	0.0731	1.5200e-003	0.0746	0.0000	215.8332	215.8332	0.0132	9.1900e-003	218.9023
Waste						0.0000	0.0000		0.0000	0.0000	4.1370	0.0000	4.1370	0.2445	0.0000	10.2491
Water						0.0000	0.0000		0.0000	0.0000	0.1652	3.4243	3.5895	0.0173	4.4000e-004	4.1528
Total	0.1558	0.1187	0.9893	2.3800e-003	0.2739	2.2300e-003	0.2761	0.0731	2.1200e-003	0.0752	4.3021	242.1135	246.4157	0.2765	9.9500e-003	256.2939

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	1/1/2025	2/17/2025	5	34	
2	Grading	Grading	3/1/2025	3/11/2025	5	7	
3	Building Construction	Building Construction	4/1/2025	7/18/2026	5	339	
4	Paving	Paving	4/1/2025	4/23/2025	5	17	
5	Architectural Coating	Architectural Coating	8/1/2026	8/25/2026	5	17	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.47

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,516; Non-Residential Outdoor: 7,839; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Architectural Coating	Air Compressors	1	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	5	13.00	0.00	99.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	7.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	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**3.1 Mitigation Measures Construction**

Water Exposed Area

3.2 Demolition - 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					0.0486	0.0000	0.0486	7.3600e-003	0.0000	7.3600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4100e-003	0.0581	0.0925	1.3000e-004		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	11.5558	11.5558	3.7400e-003	0.0000	11.6493
Total	5.4100e-003	0.0581	0.0925	1.3000e-004	0.0486	2.4200e-003	0.0510	7.3600e-003	2.2300e-003	9.5900e-003	0.0000	11.5558	11.5558	3.7400e-003	0.0000	11.6493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.2700e-003	1.7300e-003	3.0000e-005	8.5000e-004	5.0000e-005	9.0000e-004	2.3000e-004	4.0000e-005	2.8000e-004	0.0000	2.7340	2.7340	1.6000e-004	4.3000e-004	2.8675
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.2000e-004	6.2600e-003	2.0000e-005	2.4200e-003	1.0000e-005	2.4400e-003	6.4000e-004	1.0000e-005	6.6000e-004	0.0000	1.7794	1.7794	4.0000e-005	4.0000e-005	1.7930
Total	7.0000e-004	6.6900e-003	7.9900e-003	5.0000e-005	3.2700e-003	6.0000e-005	3.3400e-003	8.7000e-004	5.0000e-005	9.4000e-004	0.0000	4.5133	4.5133	2.0000e-004	4.7000e-004	4.6605

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0190	0.0000	0.0190	2.8700e-003	0.0000	2.8700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4100e-003	0.0581	0.0925	1.3000e-004		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	11.5558	11.5558	3.7400e-003	0.0000	11.6492
Total	5.4100e-003	0.0581	0.0925	1.3000e-004	0.0190	2.4200e-003	0.0214	2.8700e-003	2.2300e-003	5.1000e-003	0.0000	11.5558	11.5558	3.7400e-003	0.0000	11.6492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.2700e-003	1.7300e-003	3.0000e-005	8.5000e-004	5.0000e-005	9.0000e-004	2.3000e-004	4.0000e-005	2.8000e-004	0.0000	2.7340	2.7340	1.6000e-004	4.3000e-004	2.8675
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.2000e-004	6.2600e-003	2.0000e-005	2.4200e-003	1.0000e-005	2.4400e-003	6.4000e-004	1.0000e-005	6.6000e-004	0.0000	1.7794	1.7794	4.0000e-005	4.0000e-005	1.7930
Total	7.0000e-004	6.6900e-003	7.9900e-003	5.0000e-005	3.2700e-003	6.0000e-005	3.3400e-003	8.7000e-004	5.0000e-005	9.4000e-004	0.0000	4.5133	4.5133	2.0000e-004	4.7000e-004	4.6605

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					2.6000e-004	0.0000	2.6000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2300e-003	0.0142	0.0224	3.0000e-005		5.5000e-004	5.5000e-004		5.1000e-004	5.1000e-004	0.0000	2.8574	2.8574	9.2000e-004	0.0000	2.8805
Total	1.2300e-003	0.0142	0.0224	3.0000e-005	2.6000e-004	5.5000e-004	8.1000e-004	3.0000e-005	5.1000e-004	5.4000e-004	0.0000	2.8574	2.8574	9.2000e-004	0.0000	2.8805

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.2000e-004	9.0000e-005	1.2900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3663	0.3663	1.0000e-005	1.0000e-005	0.3692
Total	1.2000e-004	9.0000e-005	1.2900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3663	0.3663	1.0000e-005	1.0000e-005	0.3692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2300e-003	0.0142	0.0224	3.0000e-005		5.5000e-004	5.5000e-004		5.1000e-004	5.1000e-004	0.0000	2.8574	2.8574	9.2000e-004	0.0000	2.8805
Total	1.2300e-003	0.0142	0.0224	3.0000e-005	1.0000e-004	5.5000e-004	5.5000e-004	1.0000e-005	5.1000e-004	5.2000e-004	0.0000	2.8574	2.8574	9.2000e-004	0.0000	2.8805

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.2000e-004	9.0000e-005	1.2900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3663	0.3663	1.0000e-005	1.0000e-005	0.3692
Total	1.2000e-004	9.0000e-005	1.2900e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3663	0.3663	1.0000e-005	1.0000e-005	0.3692

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	0.0128	0.1209	0.1675	2.3000e-004		6.4700e-003	6.4700e-003		5.9600e-003	5.9600e-003	0.0000	19.8415	19.8415	6.4200e-003	0.0000	20.0020
Total	0.0128	0.1209	0.1675	2.3000e-004		6.4700e-003	6.4700e-003		5.9600e-003	5.9600e-003	0.0000	19.8415	19.8415	6.4200e-003	0.0000	20.0020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0113	4.1500e-003	5.0000e-005	1.8600e-003	6.0000e-005	1.9300e-003	5.4000e-004	6.0000e-005	6.0000e-004	0.0000	5.0891	5.0891	1.8000e-004	7.4000e-004	5.3138
Worker	1.8800e-003	1.3300e-003	0.0195	6.0000e-005	7.5600e-003	4.0000e-005	7.6000e-003	2.0100e-003	4.0000e-005	2.0500e-003	0.0000	5.5515	5.5515	1.2000e-004	1.3000e-004	5.5941
Total	2.1800e-003	0.0126	0.0237	1.1000e-004	9.4200e-003	1.0000e-004	9.5300e-003	2.5500e-003	1.0000e-004	2.6500e-003	0.0000	10.6405	10.6405	3.0000e-004	8.7000e-004	10.9078

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0128	0.1209	0.1675	2.3000e-004		6.4700e-003	6.4700e-003		5.9600e-003	5.9600e-003	0.0000	19.8415	19.8415	6.4200e-003	0.0000	20.0020
Total	0.0128	0.1209	0.1675	2.3000e-004		6.4700e-003	6.4700e-003		5.9600e-003	5.9600e-003	0.0000	19.8415	19.8415	6.4200e-003	0.0000	20.0020

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0113	4.1500e-003	5.0000e-005	1.8600e-003	6.0000e-005	1.9300e-003	5.4000e-004	6.0000e-005	6.0000e-004	0.0000	5.0891	5.0891	1.8000e-004	7.4000e-004	5.3138
Worker	1.8800e-003	1.3300e-003	0.0195	6.0000e-005	7.5600e-003	4.0000e-005	7.6000e-003	2.0100e-003	4.0000e-005	2.0500e-003	0.0000	5.5515	5.5515	1.2000e-004	1.3000e-004	5.5941
Total	2.1800e-003	0.0126	0.0237	1.1000e-004	9.4200e-003	1.0000e-004	9.5300e-003	2.5500e-003	1.0000e-004	2.6500e-003	0.0000	10.6405	10.6405	3.0000e-004	8.7000e-004	10.9078

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	9.2500e-003	0.0872	0.1207	1.6000e-004		4.6700e-003	4.6700e-003		4.2900e-003	4.2900e-003	0.0000	14.3020	14.3020	4.6300e-003	0.0000	14.4177
Total	9.2500e-003	0.0872	0.1207	1.6000e-004		4.6700e-003	4.6700e-003		4.2900e-003	4.2900e-003	0.0000	14.3020	14.3020	4.6300e-003	0.0000	14.4177

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.2000e-004	8.0500e-003	2.9600e-003	4.0000e-005	1.3400e-003	5.0000e-005	1.3900e-003	3.9000e-004	4.0000e-005	4.3000e-004	0.0000	3.5995	3.5995	1.3000e-004	5.2000e-004	3.7586
Worker	1.2800e-003	8.7000e-004	0.0132	4.0000e-005	5.4500e-003	3.0000e-005	5.4800e-003	1.4500e-003	2.0000e-005	1.4700e-003	0.0000	3.8788	3.8788	8.0000e-005	9.0000e-005	3.9077
Total	1.5000e-003	8.9200e-003	0.0162	8.0000e-005	6.7900e-003	8.0000e-005	6.8700e-003	1.8400e-003	6.0000e-005	1.9000e-003	0.0000	7.4783	7.4783	2.1000e-004	6.1000e-004	7.6663

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.2500e-003	0.0872	0.1207	1.6000e-004		4.6700e-003	4.6700e-003		4.2900e-003	4.2900e-003	0.0000	14.3020	14.3020	4.6300e-003	0.0000	14.4177
Total	9.2500e-003	0.0872	0.1207	1.6000e-004		4.6700e-003	4.6700e-003		4.2900e-003	4.2900e-003	0.0000	14.3020	14.3020	4.6300e-003	0.0000	14.4177

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.2000e-004	8.0500e-003	2.9600e-003	4.0000e-005	1.3400e-003	5.0000e-005	1.3900e-003	3.9000e-004	4.0000e-005	4.3000e-004	0.0000	3.5995	3.5995	1.3000e-004	5.2000e-004	3.7586
Worker	1.2800e-003	8.7000e-004	0.0132	4.0000e-005	5.4500e-003	3.0000e-005	5.4800e-003	1.4500e-003	2.0000e-005	1.4700e-003	0.0000	3.8788	3.8788	8.0000e-005	9.0000e-005	3.9077
Total	1.5000e-003	8.9200e-003	0.0162	8.0000e-005	6.7900e-003	8.0000e-005	6.8700e-003	1.8400e-003	6.0000e-005	1.9000e-003	0.0000	7.4783	7.4783	2.1000e-004	6.1000e-004	7.6663

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	1.9000e-003	0.0225	0.0343	5.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	4.4195	4.4195	1.4300e-003	0.0000	4.4552
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9000e-003	0.0225	0.0343	5.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	4.4195	4.4195	1.4300e-003	0.0000	4.4552

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.9000e-004	1.3000e-004	1.9300e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5475	0.5475	1.0000e-005	1.0000e-005	0.5517
Total	1.9000e-004	1.3000e-004	1.9300e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5475	0.5475	1.0000e-005	1.0000e-005	0.5517

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9000e-003	0.0225	0.0343	5.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	4.4195	4.4195	1.4300e-003	0.0000	4.4552
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9000e-003	0.0225	0.0343	5.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	4.4195	4.4195	1.4300e-003	0.0000	4.4552

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.9000e-004	1.3000e-004	1.9300e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5475	0.5475	1.0000e-005	1.0000e-005	0.5517
Total	1.9000e-004	1.3000e-004	1.9300e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5475	0.5475	1.0000e-005	1.0000e-005	0.5517

3.6 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	0.0363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	9.7400e-003	0.0154	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	2.1703	2.1703	1.2000e-004	0.0000	2.1732
Total	0.0378	9.7400e-003	0.0154	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	2.1703	2.1703	1.2000e-004	0.0000	2.1732

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-005	1.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0663	0.0663	0.0000	0.0000	0.0668
Total	2.0000e-005	1.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0663	0.0663	0.0000	0.0000	0.0668

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0363					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	9.7400e-003	0.0154	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	2.1703	2.1703	1.2000e-004	0.0000	2.1732
Total	0.0378	9.7400e-003	0.0154	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	2.1703	2.1703	1.2000e-004	0.0000	2.1732

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-005	1.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0663	0.0663	0.0000	0.0000	0.0668
Total	2.0000e-005	1.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.0663	0.0663	0.0000	0.0000	0.0668

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	0.0910	0.1107	0.9825	2.3300e-003	0.2739	1.6300e-003	0.2755	0.0731	1.5200e-003	0.0746	0.0000	215.8332	215.8332	0.0132	9.1900e-003	218.9023
Unmitigated	0.0910	0.1107	0.9825	2.3300e-003	0.2739	1.6300e-003	0.2755	0.0731	1.5200e-003	0.0746	0.0000	215.8332	215.8332	0.0132	9.1900e-003	218.9023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
High School	220.62	62.41	26.81	727,441	727,441
Total	220.62	62.41	26.81	727,441	727,441

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

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	14.2304	14.2304	1.3500e-003	1.6000e-004	14.3128
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	14.2304	14.2304	1.3500e-003	1.6000e-004	14.3128
Natural Gas Mitigated	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764
Natural Gas Unmitigated	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764

5.2 Energy by Land Use - Natural Gas**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						
High School	161630	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764	
Total		8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764	

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

Mitigated

	Natural Gas 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					
High School	161630	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764
Total		8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	89986	14.2304	1.3500e-003	1.6000e-004	14.3128
Total		14.2304	1.3500e-003	1.6000e-004	14.3128

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	89986	14.2304	1.3500e-003	1.6000e-004	14.3128
Total		14.2304	1.3500e-003	1.6000e-004	14.3128

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	tons/yr										MT/yr					
Mitigated	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Unmitigated	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

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	7.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Total	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

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	7.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Total	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.0 Water Detail****7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.5895	0.0173	4.4000e-004	4.1528
Unmitigated	3.5895	0.0173	4.4000e-004	4.1528

7.2 Water by Land Use**Unmitigated**

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.520649/ 1.33881	3.5895	0.0173	4.4000e-004	4.1528
Total		3.5895	0.0173	4.4000e-004	4.1528

Mitigated

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.520649/ 1.33881	3.5895	0.0173	4.4000e-004	4.1528
Total		3.5895	0.0173	4.4000e-004	4.1528

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.1370	0.2445	0.0000	10.2491
Unmitigated	4.1370	0.2445	0.0000	10.2491

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	20.38	4.1370	0.2445	0.0000	10.2491
Total		4.1370	0.2445	0.0000	10.2491

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	20.38	4.1370	0.2445	0.0000	10.2491
Total		4.1370	0.2445	0.0000	10.2491

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

Equipment Type	Number
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11.0 Vegetation

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**JAMS Construction Phase 2**
South Coast AQMD Air District, Summer**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	15.68	1000sqft	0.36	15,677.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	348.64	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - STEAM building improvements and construction

Construction Phase - based on duration from PD scaled using CalEEMod defaults

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	17.00
tblConstructionPhase	NumDays	100.00	339.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	5.00	17.00
tblGrading	MaterialImported	0.00	148.00
tblLandUse	LandUseSquareFeet	15,680.00	15,677.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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					
2025	0.3990	4.0685	6.7870	0.0105	3.0549	0.1728	3.2006	0.4853	0.1590	0.6195	0.0000	1,047.1203	1,047.1203	0.2936	0.0307	1,062.6561
2026	4.4479	1.3469	1.9417	3.4300e-003	0.0975	0.0667	0.1642	0.0263	0.0614	0.0877	0.0000	340.8458	340.8458	0.0751	9.4100e-003	345.5268
Maximum	4.4479	4.0685	6.7870	0.0105	3.0549	0.1728	3.2006	0.4853	0.1590	0.6195	0.0000	1,047.1203	1,047.1203	0.2936	0.0307	1,062.6561

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					
2025	0.3990	4.0685	6.7870	0.0105	1.3111	0.1728	1.4569	0.2213	0.1590	0.3555	0.0000	1,047.1203	1,047.1203	0.2936	0.0307	1,062.6561
2026	4.4479	1.3469	1.9417	3.4300e-003	0.0975	0.0667	0.1642	0.0263	0.0614	0.0877	0.0000	340.8458	340.8458	0.0751	9.4100e-003	345.5268
Maximum	4.4479	4.0685	6.7870	0.0105	1.3111	0.1728	1.4569	0.2213	0.1590	0.3555	0.0000	1,047.1203	1,047.1203	0.2936	0.0307	1,062.6561

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.32	0.00	51.82	51.61	0.00	37.33	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Energy	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
Mobile	0.6764	0.7240	7.1778	0.0172	1.9855	0.0116	1.9971	0.5291	0.0108	0.5399		1,755.9047	1,755.9047	0.1020	0.0691	1,779.0438
Total	1.0316	0.7674	7.2158	0.0175	1.9855	0.0149	2.0004	0.5291	0.0141	0.5432		1,808.0048	1,808.0048	0.1030	0.0701	1,831.4537

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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

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	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Energy	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
Mobile	0.6764	0.7240	7.1778	0.0172	1.9855	0.0116	1.9971	0.5291	0.0108	0.5399		1,755.9047	1,755.9047	0.1020	0.0691	1,779.0438
Total	1.0316	0.7674	7.2158	0.0175	1.9855	0.0149	2.0004	0.5291	0.0141	0.5432		1,808.0048	1,808.0048	0.1030	0.0701	1,831.4537

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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 DetailConstruction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	2/17/2025	5	34	
2	Grading	Grading	3/1/2025	3/11/2025	5	7	
3	Building Construction	Building Construction	4/1/2025	7/18/2026	5	339	
4	Paving	Paving	4/1/2025	4/23/2025	5	17	
5	Architectural Coating	Architectural Coating	8/1/2026	8/25/2026	5	17	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.47

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,516; Non-Residential Outdoor: 7,839; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Architectural Coating	Air Compressors	1	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	5	13.00	0.00	99.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	7.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.1 Mitigation Measures Construction**

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					2.8587	0.0000	2.8587	0.4328	0.0000	0.4328			0.0000			0.0000
Off-Road	0.3184	3.4172	5.4417	7.7400e-003		0.1424	0.1424		0.1310	0.1310		749.3006	749.3006	0.2423		755.3590
Total	0.3184	3.4172	5.4417	7.7400e-003	2.8587	0.1424	3.0010	0.4328	0.1310	0.5638		749.3006	749.3006	0.2423		755.3590

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1800e-003	0.3498	0.1014	1.6100e-003	0.0509	2.6600e-003	0.0536	0.0140	2.5500e-003	0.0165		177.1900	177.1900	0.0103	0.0282	185.8413
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558
Total	0.0425	0.3721	0.4970	2.8000e-003	0.1962	3.4000e-003	0.1996	0.0525	3.2300e-003	0.0557		297.8197	297.8197	0.0128	0.0307	307.2971

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.1149	0.0000	1.1149	0.1688	0.0000	0.1688			0.0000			0.0000
Off-Road	0.3184	3.4172	5.4417	7.7400e-003		0.1424	0.1424		0.1310	0.1310	0.0000	749.3006	749.3006	0.2423		755.3590
Total	0.3184	3.4172	5.4417	7.7400e-003	1.1149	0.1424	1.2572	0.1688	0.1310	0.2998	0.0000	749.3006	749.3006	0.2423		755.3590

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1800e-003	0.3498	0.1014	1.6100e-003	0.0509	2.6600e-003	0.0536	0.0140	2.5500e-003	0.0165		177.1900	177.1900	0.0103	0.0282	185.8413
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558
Total	0.0425	0.3721	0.4970	2.8000e-003	0.1962	3.4000e-003	0.1996	0.0525	3.2300e-003	0.0557		297.8197	297.8197	0.0128	0.0307	307.2971

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0736	0.0000	0.0736	8.0500e-003	0.0000	8.0500e-003			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455		899.9147	899.9147	0.2911		907.1910
Total	0.3523	4.0461	6.3914	9.3000e-003	0.0736	0.1582	0.2318	8.0500e-003	0.1455	0.1536		899.9147	899.9147	0.2911		907.1910

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558
Total	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0287	0.0000	0.0287	3.1400e-003	0.0000	3.1400e-003			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455	0.0000	899.9147	899.9147	0.2911		907.1910
Total	0.3523	4.0461	6.3914	9.3000e-003	0.0287	0.1582	0.1869	3.1400e-003	0.1455	0.1486	0.0000	899.9147	899.9147	0.2911		907.1910

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558
Total	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.1700e-003	0.1089	0.0415	5.3000e-004	0.0192	6.4000e-004	0.0199	5.5300e-003	6.1000e-004	6.1400e-003		56.9068	56.9068	1.9800e-003	8.2600e-003	59.4178
Worker	0.0195	0.0120	0.2130	6.4000e-004	0.0782	4.0000e-004	0.0786	0.0208	3.7000e-004	0.0211		64.9545	64.9545	1.3700e-003	1.3800e-003	65.3993
Total	0.0227	0.1209	0.2546	1.1700e-003	0.0975	1.0400e-003	0.0985	0.0263	9.8000e-004	0.0273		121.8612	121.8612	3.3500e-003	9.6400e-003	124.8171

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.1700e-003	0.1089	0.0415	5.3000e-004	0.0192	6.4000e-004	0.0199	5.5300e-003	6.1000e-004	6.1400e-003		56.9068	56.9068	1.9800e-003	8.2600e-003	59.4178
Worker	0.0195	0.0120	0.2130	6.4000e-004	0.0782	4.0000e-004	0.0786	0.0208	3.7000e-004	0.0211		64.9545	64.9545	1.3700e-003	1.3800e-003	65.3993
Total	0.0227	0.1209	0.2546	1.1700e-003	0.0975	1.0400e-003	0.0985	0.0263	9.8000e-004	0.0273		121.8612	121.8612	3.3500e-003	9.6400e-003	124.8171

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.1000e-003	0.1081	0.0410	5.2000e-004	0.0192	6.4000e-004	0.0199	5.5300e-003	6.1000e-004	6.1400e-003		55.8395	55.8395	1.9900e-003	8.1100e-003	58.3069
Worker	0.0184	0.0109	0.2000	6.2000e-004	0.0782	3.8000e-004	0.0786	0.0208	3.5000e-004	0.0211		62.9600	62.9600	1.2500e-003	1.3000e-003	63.3784
Total	0.0215	0.1191	0.2411	1.1400e-003	0.0975	1.0200e-003	0.0985	0.0263	9.6000e-004	0.0272		118.7995	118.7995	3.2400e-003	9.4100e-003	121.6852

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.1000e-003	0.1081	0.0410	5.2000e-004	0.0192	6.4000e-004	0.0199	5.5300e-003	6.1000e-004	6.1400e-003		55.8395	55.8395	1.9900e-003	8.1100e-003	58.3069
Worker	0.0184	0.0109	0.2000	6.2000e-004	0.0782	3.8000e-004	0.0786	0.0208	3.5000e-004	0.0211		62.9600	62.9600	1.2500e-003	1.3000e-003	63.3784
Total	0.0215	0.1191	0.2411	1.1400e-003	0.0975	1.0200e-003	0.0985	0.0263	9.6000e-004	0.0272		118.7995	118.7995	3.2400e-003	9.4100e-003	121.6852

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971		573.1354	573.1354	0.1854		577.7695
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971		573.1354	573.1354	0.1854		577.7695

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420
Total	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971	0.0000	573.1354	573.1354	0.1854		577.7695
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971	0.0000	573.1354	573.1354	0.1854		577.7695

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420
Total	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	4.2744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	4.4453	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.6300e-003	1.5600e-003	0.0286	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.9943	8.9943	1.8000e-004	1.9000e-004	9.0541
Total	2.6300e-003	1.5600e-003	0.0286	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.9943	8.9943	1.8000e-004	1.9000e-004	9.0541

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.2744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	4.4453	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.6300e-003	1.5600e-003	0.0286	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.9943	8.9943	1.8000e-004	1.9000e-004	9.0541
Total	2.6300e-003	1.5600e-003	0.0286	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.9943	8.9943	1.8000e-004	1.9000e-004	9.0541

JAMS Construction Phase 2 - South Coast AQMD Air District, 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	0.6764	0.7240	7.1778	0.0172	1.9855	0.0116	1.9971	0.5291	0.0108	0.5399		1,755.9047	1,755.9047	0.1020	0.0691	1,779.0438
Unmitigated	0.6764	0.7240	7.1778	0.0172	1.9855	0.0116	1.9971	0.5291	0.0108	0.5399		1,755.9047	1,755.9047	0.1020	0.0691	1,779.0438

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	220.62	62.41	26.81	727,441	727,441
Total	220.62	62.41	26.81	727,441	727,441

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

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	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
NaturalGas Unmitigated	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062

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					
High School	442.822	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
Total		4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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

	Natural Gas 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					
High School	0.442822	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
Total		4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062

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	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Unmitigated	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003

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	0.0398					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Total	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003

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	0.0398					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Total	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003

JAMS Construction Phase 2 - South Coast AQMD Air District, Summer

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

7.0 Water Detail

7.1 Mitigation Measures Water

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
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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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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JAMS Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**JAMS Construction Phase 3**
South Coast AQMD Air District, Annual**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	9.34	1000sqft	0.21	9,340.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - 6th Grade Cohort & Modernize 8th Grade Courtyard

Construction Phase - 6th Grade Cohort & Modernize 8th Grade Courtyard

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	197.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialImported	0.00	100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

JAMS Construction Phase 3 - South Coast AQMD Air District, Annual

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****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	5.0900e-003	0.0500	0.0784	1.2000e-004	2.4700e-003	2.2600e-003	4.7300e-003	6.2000e-004	2.0800e-003	2.7000e-003	0.0000	10.5467	10.5467	3.0000e-003	3.0000e-005	10.6318
2025	0.0225	5.7400e-003	9.1900e-003	2.0000e-005	4.5000e-004	2.6000e-004	7.1000e-004	1.1000e-004	2.6000e-004	3.7000e-004	0.0000	1.3169	1.3169	7.0000e-005	0.0000	1.3189
Maximum	0.0225	0.0500	0.0784	1.2000e-004	2.4700e-003	2.2600e-003	4.7300e-003	6.2000e-004	2.0800e-003	2.7000e-003	0.0000	10.5467	10.5467	3.0000e-003	3.0000e-005	10.6318

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	5.0900e-003	0.0500	0.0784	1.2000e-004	2.3600e-003	2.2600e-003	4.6300e-003	6.1000e-004	2.0800e-003	2.6900e-003	0.0000	10.5467	10.5467	3.0000e-003	3.0000e-005	10.6318
2025	0.0225	5.7400e-003	9.1900e-003	2.0000e-005	4.5000e-004	2.6000e-004	7.1000e-004	1.1000e-004	2.6000e-004	3.7000e-004	0.0000	1.3169	1.3169	7.0000e-005	0.0000	1.3189
Maximum	0.0225	0.0500	0.0784	1.2000e-004	2.3600e-003	2.2600e-003	4.6300e-003	6.1000e-004	2.0800e-003	2.6900e-003	0.0000	10.5467	10.5467	3.0000e-003	3.0000e-005	10.6318

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	3.77	0.00	1.84	1.37	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2024	6-30-2024	0.0377	0.0377
2	7-1-2024	9-30-2024	0.0135	0.0135
4	1-1-2025	3-31-2025	0.0283	0.0283
		Highest	0.0377	0.0377

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	0.0381	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004
Energy	5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	13.6169	13.6169	9.0000e-004	1.9000e-004	13.6964
Mobile	0.0556	0.0690	0.6038	1.4300e-003	0.1631	1.0200e-003	0.1642	0.0435	9.5000e-004	0.0445	0.0000	132.1371	132.1371	6.0800e-003	5.6300e-003	134.0158
Waste						0.0000	0.0000		0.0000	0.0000	2.4643	0.0000	2.4643	0.1456	0.0000	6.1052
Water						0.0000	0.0000		0.0000	0.0000	0.0984	2.0397	2.1381	0.0103	2.6000e-004	2.4737
Total	0.0942	0.0737	0.6079	1.4600e-003	0.1631	1.3800e-003	0.1645	0.0435	1.3100e-003	0.0448	2.5627	147.7939	150.3566	0.1649	6.0800e-003	156.2914

JAMS Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0381	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004
Energy	5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	13.6169	13.6169	9.0000e-004	1.9000e-004	13.6964
Mobile	0.0556	0.0690	0.6038	1.4300e-003	0.1631	1.0200e-003	0.1642	0.0435	9.5000e-004	0.0445	0.0000	132.1371	132.1371	6.0800e-003	5.6300e-003	134.0158
Waste						0.0000	0.0000		0.0000	0.0000	2.4643	0.0000	2.4643	0.1456	0.0000	6.1052
Water						0.0000	0.0000		0.0000	0.0000	0.0984	2.0397	2.1381	0.0103	2.6000e-004	2.4737
Total	0.0942	0.0737	0.6079	1.4600e-003	0.1631	1.3800e-003	0.1645	0.0435	1.3100e-003	0.0448	2.5627	147.7939	150.3566	0.1649	6.0800e-003	156.2914

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	4/1/2024	4/26/2024	5	20	
2	Grading	Grading	7/1/2024	7/4/2024	5	4	
3	Paving	Paving	7/1/2024	7/14/2024	5	10	
4	Building Construction	Building Construction	8/1/2024	5/2/2025	5	197	
5	Coating	Architectural Coating	2/1/2025	2/14/2025	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.31

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 14,010; Non-Residential Outdoor: 4,670; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Skid Steer Loaders	1	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	1	6.00	65	0.37
Coating	Air Compressors	1	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	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction			2.00	0.00	14.70	6.90				
Coating	1	1.00	0.00	0.00	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**3.1 Mitigation Measures Construction**

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					
Off-Road	3.4300e-003	0.0365	0.0546	8.0000e-005		1.6600e-003	1.6600e-003		1.5300e-003	1.5300e-003	0.0000	6.7968	6.7968	2.2000e-003	0.0000	6.8518
Total	3.4300e-003	0.0365	0.0546	8.0000e-005		1.6600e-003	1.6600e-003		1.5300e-003	1.5300e-003	0.0000	6.7968	6.7968	2.2000e-003	0.0000	6.8518

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.8000e-004	2.8000e-004	3.9500e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0836	1.0836	3.0000e-005	3.0000e-005	1.0922
Total	3.8000e-004	2.8000e-004	3.9500e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0836	1.0836	3.0000e-005	3.0000e-005	1.0922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4300e-003	0.0365	0.0546	8.0000e-005		1.6600e-003	1.6600e-003		1.5300e-003	1.5300e-003	0.0000	6.7968	6.7968	2.2000e-003	0.0000	6.8518
Total	3.4300e-003	0.0365	0.0546	8.0000e-005		1.6600e-003	1.6600e-003		1.5300e-003	1.5300e-003	0.0000	6.7968	6.7968	2.2000e-003	0.0000	6.8518

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.8000e-004	2.8000e-004	3.9500e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0836	1.0836	3.0000e-005	3.0000e-005	1.0922
Total	3.8000e-004	2.8000e-004	3.9500e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0836	1.0836	3.0000e-005	3.0000e-005	1.0922

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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 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					1.7000e-004	0.0000	1.7000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	3.4100e-003	5.4300e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.3000e-004	1.3000e-004	0.0000	0.6836	0.6836	2.2000e-004	0.0000	0.6891
Total	3.1000e-004	3.4100e-003	5.4300e-003	1.0000e-005	1.7000e-004	1.4000e-004	3.1000e-004	2.0000e-005	1.3000e-004	1.5000e-004	0.0000	0.6836	0.6836	2.2000e-004	0.0000	0.6891

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0834	0.0834	0.0000	0.0000	0.0840
Total	3.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0834	0.0834	0.0000	0.0000	0.0840

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0000e-005	0.0000	7.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	3.4100e-003	5.4300e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.3000e-004	1.3000e-004	0.0000	0.6836	0.6836	2.2000e-004	0.0000	0.6891
Total	3.1000e-004	3.4100e-003	5.4300e-003	1.0000e-005	7.0000e-005	1.4000e-004	2.1000e-004	1.0000e-005	1.3000e-004	1.4000e-004	0.0000	0.6836	0.6836	2.2000e-004	0.0000	0.6891

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0834	0.0834	0.0000	0.0000	0.0840
Total	3.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0834	0.0834	0.0000	0.0000	0.0840

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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 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	8.7000e-004	9.7700e-003	0.0133	2.0000e-005		4.5000e-004	4.5000e-004		4.2000e-004	4.2000e-004	0.0000	1.6910	1.6910	5.5000e-004	0.0000	1.7047
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.7000e-004	9.7700e-003	0.0133	2.0000e-005		4.5000e-004	4.5000e-004		4.2000e-004	4.2000e-004	0.0000	1.6910	1.6910	5.5000e-004	0.0000	1.7047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.0000e-005	7.6000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2084	0.2084	1.0000e-005	1.0000e-005	0.2100
Total	7.0000e-005	5.0000e-005	7.6000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2084	0.2084	1.0000e-005	1.0000e-005	0.2100

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7000e-004	9.7700e-003	0.0133	2.0000e-005		4.5000e-004	4.5000e-004		4.2000e-004	4.2000e-004	0.0000	1.6910	1.6910	5.5000e-004	0.0000	1.7047
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.7000e-004	9.7700e-003	0.0133	2.0000e-005		4.5000e-004	4.5000e-004		4.2000e-004	4.2000e-004	0.0000	1.6910	1.6910	5.5000e-004	0.0000	1.7047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.0000e-005	7.6000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2084	0.2084	1.0000e-005	1.0000e-005	0.2100
Total	7.0000e-005	5.0000e-005	7.6000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2084	0.2084	1.0000e-005	1.0000e-005	0.2100

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

Unmitigated Construction Off-Site

[illegible]

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Vendor					4.9000e-004	0.0000	4.9000e-004	1.2000e-004	0.0000	1.2000e-004	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
Total					4.9000e-004	0.0000	4.9000e-004	1.2000e-004	0.0000	1.2000e-004	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
Vendor					3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	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
Total					3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

[illegible]

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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 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	0.0217					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	0.0225	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0403	0.0403	0.0000	0.0000	0.0406
Total	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0403	0.0403	0.0000	0.0000	0.0406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0217					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	0.0225	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0403	0.0403	0.0000	0.0000	0.0406
Total	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0403	0.0403	0.0000	0.0000	0.0406

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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	0.0556	0.0690	0.6038	1.4300e-003	0.1631	1.0200e-003	0.1642	0.0435	9.5000e-004	0.0445	0.0000	132.1371	132.1371	8.0800e-003	5.6300e-003	134.0158
Unmitigated	0.0556	0.0690	0.6038	1.4300e-003	0.1631	1.0200e-003	0.1642	0.0435	9.5000e-004	0.0445	0.0000	132.1371	132.1371	8.0800e-003	5.6300e-003	134.0158

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	131.41	37.17	15.97	433,310	433,310
Total	131.41	37.17	15.97	433,310	433,310

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

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	8.4782	8.4782	8.0000e-004	1.0000e-004	8.5272
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.4782	8.4782	8.0000e-004	1.0000e-004	8.5272
NaturalGas Mitigated	5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1387	5.1387	1.0000e-004	9.0000e-005	5.1692
NaturalGas Unmitigated	5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1387	5.1387	1.0000e-004	9.0000e-005	5.1692

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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					
High School	96295.4	5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1387	5.1387	1.0000e-004	9.0000e-005	5.1692
Total		5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1387	5.1387	1.0000e-004	9.0000e-005	5.1692

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					
High School	96295.4	5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1387	5.1387	1.0000e-004	9.0000e-005	5.1692
Total		5.2000e-004	4.7200e-003	3.9700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1387	5.1387	1.0000e-004	9.0000e-005	5.1692

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	53611.6	8.4782	8.0000e-004	1.0000e-004	8.5272
Total		8.4782	8.0000e-004	1.0000e-004	8.5272

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	53611.6	8.4782	8.0000e-004	1.0000e-004	8.5272
Total		8.4782	8.0000e-004	1.0000e-004	8.5272

JAMS Construction Phase 3 - South Coast AQMD Air District, Annual

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

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 tons/yr											MT/yr					
Mitigated	0.0381	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004
Unmitigated	0.0381	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004

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	4.3300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0338					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004
Total	0.0381	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004

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	4.3300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0338					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004
Total	0.0381	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-004	2.3000e-004	0.0000	0.0000	2.5000e-004

JAMS Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.0 Water Detail****7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.1381	0.0103	2.6000e-004	2.4737
Unmitigated	2.1381	0.0103	2.6000e-004	2.4737

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.310131 / 0.797481	2.1381	0.0103	2.6000e-004	2.4737
Total		2.1381	0.0103	2.6000e-004	2.4737

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.310131 / 0.797481	2.1381	0.0103	2.6000e-004	2.4737
Total		2.1381	0.0103	2.6000e-004	2.4737

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.4643	0.1456	0.0000	6.1052
Unmitigated	2.4643	0.1456	0.0000	6.1052

JAMS Construction Phase 3 - South Coast AQMD Air District, 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			
High School	12.14	2.4643	0.1456	0.0000	6.1052
Total		2.4643	0.1456	0.0000	6.1052

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	12.14	2.4643	0.1456	0.0000	6.1052
Total		2.4643	0.1456	0.0000	6.1052

9.0 Operational Offroad

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

Equipment Type	Number
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11.0 Vegetation

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**JAMS Construction Phase 3**
South Coast AQMD Air District, Summer**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	9.34	1000sqft	0.21	9,340.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	348.64	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - 6th Grade Cohort & Modernize 8th Grade Courtyard

Construction Phase - 6th Grade Cohort & Modernize 8th Grade Courtyard

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	197.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialImported	0.00	100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

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					
2024	0.3815	3.6788	5.8871	8.9800e-003	0.1968	0.1670	0.3577	0.0389	0.1537	0.1922	0.0000	874.1084	874.1084	0.2451	2.7400e-003	881.0521
2025	4.5027	1.1472	1.8396	3.0600e-003	0.0203	0.0516	0.0719	5.2000e-003	0.0516	0.0568	0.0000	290.7273	290.7273	0.0156	2.0000e-004	291.1746
Maximum	4.5027	3.6788	5.8871	8.9800e-003	0.1968	0.1670	0.3577	0.0389	0.1537	0.1922	0.0000	874.1084	874.1084	0.2451	2.7400e-003	881.0521

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	0.3815	3.6788	5.8871	8.9800e-003	0.1453	0.1670	0.3123	0.0385	0.1537	0.1922	0.0000	874.1084	874.1084	0.2451	2.7400e-003	881.0521
2025	4.5027	1.1472	1.8396	3.0600e-003	0.0203	0.0516	0.0719	5.2000e-003	0.0516	0.0568	0.0000	290.7273	290.7273	0.0156	2.0000e-004	291.1746
Maximum	4.5027	3.6788	5.8871	8.9800e-003	0.1453	0.1670	0.3123	0.0385	0.1537	0.1922	0.0000	874.1084	874.1084	0.2451	2.7400e-003	881.0521

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	23.72	0.00	10.56	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2087	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003
Energy	2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224
Mobile	0.4133	0.4507	4.4161	0.0105	1.1826	7.2400e-003	1.1899	0.3152	6.7400e-003	0.3219		1,075.1259	1,075.1259	0.0623	0.0423	1,089.2822
Total	0.6249	0.4766	4.4387	0.0107	1.1826	9.2100e-003	1.1918	0.3152	8.7100e-003	0.3239		1,106.1659	1,106.1659	0.0629	0.0429	1,120.5068

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2087	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003
Energy	2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224
Mobile	0.4133	0.4507	4.4161	0.0105	1.1826	7.2400e-003	1.1899	0.3152	6.7400e-003	0.3219		1,075.1259	1,075.1259	0.0623	0.0423	1,089.2822
Total	0.6249	0.4766	4.4387	0.0107	1.1826	9.2100e-003	1.1918	0.3152	8.7100e-003	0.3239		1,106.1659	1,106.1659	0.0629	0.0429	1,120.5068

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	4/1/2024	4/26/2024	5	20	
2	Grading	Grading	7/1/2024	7/4/2024	5	4	
3	Paving	Paving	7/1/2024	7/14/2024	5	10	
4	Building Construction	Building Construction	8/1/2024	5/2/2025	5	197	
5	Coating	Architectural Coating	2/1/2025	2/14/2025	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.31

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 14,010; Non-Residential Outdoor: 4,670; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Skid Steer Loaders	1	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	1	6.00	65	0.37
Coating	Air Compressors	1	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	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction			2.00	0.00	14.70	6.90				
Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.1 Mitigation Measures Construction**

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					
Off-Road	0.3427	3.6512	5.4624	7.7400e-003		0.1662	0.1662		0.1529	0.1529		749.2222	749.2222	0.2423		755.2800
Total	0.3427	3.6512	5.4624	7.7400e-003		0.1662	0.1662		0.1529	0.1529		749.2222	749.2222	0.2423		755.2800

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0387	0.0249	0.4247	1.2400e-003	0.1453	7.8000e-004	0.1461	0.0385	7.2000e-004	0.0393		124.8862	124.8862	2.8200e-003	2.7400e-003	125.7721
Total	0.0387	0.0249	0.4247	1.2400e-003	0.1453	7.8000e-004	0.1461	0.0385	7.2000e-004	0.0393		124.8862	124.8862	2.8200e-003	2.7400e-003	125.7721

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3427	3.6512	5.4624	7.7400e-003		0.1662	0.1662		0.1529	0.1529	0.0000	749.2222	749.2222	0.2423		755.2800
Total	0.3427	3.6512	5.4624	7.7400e-003		0.1662	0.1662		0.1529	0.1529	0.0000	749.2222	749.2222	0.2423		755.2800

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0387	0.0249	0.4247	1.2400e-003	0.1453	7.8000e-004	0.1461	0.0385	7.2000e-004	0.0393		124.8862	124.8862	2.8200e-003	2.7400e-003	125.7721
Total	0.0387	0.0249	0.4247	1.2400e-003	0.1453	7.8000e-004	0.1461	0.0385	7.2000e-004	0.0393		124.8862	124.8862	2.8200e-003	2.7400e-003	125.7721

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0850	0.0000	0.0850	9.3000e-003	0.0000	9.3000e-003			0.0000			0.0000
Off-Road	0.1547	1.7060	2.7151	3.8900e-003		0.0698	0.0698		0.0642	0.0642		376.7505	376.7505	0.1219		379.7967
Total	0.1547	1.7060	2.7151	3.8900e-003	0.0850	0.0698	0.1548	9.3000e-003	0.0642	0.0735		376.7505	376.7505	0.1219		379.7967

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739
Total	0.0149	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0332	0.0000	0.0332	3.6300e-003	0.0000	3.6300e-003			0.0000			0.0000
Off-Road	0.1547	1.7060	2.7151	3.8900e-003		0.0698	0.0698		0.0642	0.0642	0.0000	376.7505	376.7505	0.1219		379.7967
Total	0.1547	1.7060	2.7151	3.8900e-003	0.0332	0.0698	0.1029	3.6300e-003	0.0642	0.0678	0.0000	376.7505	376.7505	0.1219		379.7967

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739
Total	0.0149	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 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	0.1742	1.9536	2.6572	3.8500e-003		0.0905	0.0905		0.0833	0.0833		372.8029	372.8029	0.1206		375.8172
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1742	1.9536	2.6572	3.8500e-003		0.0905	0.0905		0.0833	0.0833		372.8029	372.8029	0.1206		375.8172

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739
Total	0.0149	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1742	1.9536	2.6572	3.8500e-003		0.0905	0.0905		0.0833	0.0833	0.0000	372.8029	372.8029	0.1206		375.8172
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1742	1.9536	2.6572	3.8500e-003		0.0905	0.0905		0.0833	0.0833	0.0000	372.8029	372.8029	0.1206		375.8172

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739
Total	0.0149	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

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 Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Vendor					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			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	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			0.0000			0.0000

3.5 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
Vendor					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			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	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					9.1200e-003	0.0000	9.1200e-003	2.2400e-003	0.0000	2.2400e-003			0.0000			0.0000

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	4.3291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	4.5000	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.7900e-003	1.7200e-003	0.0304	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.2792	9.2792	2.0000e-004	2.0000e-004	9.3428
Total	2.7900e-003	1.7200e-003	0.0304	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.2792	9.2792	2.0000e-004	2.0000e-004	9.3428

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3291					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	4.5000	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.7900e-003	1.7200e-003	0.0304	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.2792	9.2792	2.0000e-004	2.0000e-004	9.3428
Total	2.7900e-003	1.7200e-003	0.0304	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.2792	9.2792	2.0000e-004	2.0000e-004	9.3428

JAMS Construction Phase 3 - South Coast AQMD Air District, 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	0.4133	0.4507	4.4161	0.0105	1.1826	7.2400e-003	1.1899	0.3152	6.7400e-003	0.3219		1,075.1259	1,075.1259	0.0623	0.0423	1,089.2822
Unmitigated	0.4133	0.4507	4.4161	0.0105	1.1826	7.2400e-003	1.1899	0.3152	6.7400e-003	0.3219		1,075.1259	1,075.1259	0.0623	0.0423	1,089.2822

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
High School	131.41	37.17	15.97	433,310		433,310	
Total	131.41	37.17	15.97	433,310		433,310	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

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	2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224
NaturalGas Unmitigated	2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224

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					
High School	263.823	2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224
Total		2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

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

	Natural Gas 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					
High School	0.263823	2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224
Total		2.8500e-003	0.0259	0.0217	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.0380	31.0380	5.9000e-004	5.7000e-004	31.2224

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	0.2087	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003
Unmitigated	0.2087	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003

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	0.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003
Total	0.2087	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003

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	0.0237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003
Total	0.2087	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1800e-003

JAMS Construction Phase 3 - South Coast AQMD Air District, Summer

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

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

JAMS Construction Phase 4 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**JAMS Construction Phase 4**
South Coast AQMD Air District, Annual**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	4.65	1000sqft	0.11	4,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Renovate Central Quad & Renovate Cafeteria

Construction Phase - based on duration from PD scaled using CalEEMod defaults

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	25.00
tblConstructionPhase	NumDays	10.00	50.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	25.00
tblGrading	MaterialImported	0.00	60.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

JAMS Construction Phase 4 - South Coast AQMD Air District, Annual

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****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	0.0267	0.1539	0.2540	3.9000e-004	5.5600e-003	6.3400e-003	0.0119	1.4500e-003	5.8800e-003	7.3300e-003	0.0000	34.5908	34.5908	9.1700e-003	9.0000e-005	34.8466
Maximum	0.0267	0.1539	0.2540	3.9000e-004	5.5600e-003	6.3400e-003	0.0119	1.4500e-003	5.8800e-003	7.3300e-003	0.0000	34.5908	34.5908	9.1700e-003	9.0000e-005	34.8466

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	0.0267	0.1539	0.2540	3.9000e-004	5.4500e-003	6.3400e-003	0.0118	1.4400e-003	5.8800e-003	7.3200e-003	0.0000	34.5908	34.5908	9.1700e-003	9.0000e-005	34.8465
Maximum	0.0267	0.1539	0.2540	3.9000e-004	5.4500e-003	6.3400e-003	0.0118	1.4400e-003	5.8800e-003	7.3200e-003	0.0000	34.5908	34.5908	9.1700e-003	9.0000e-005	34.8465

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	1.98	0.00	0.92	0.69	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2026	9-30-2026	0.1482	0.1482
		Highest	0.1482	0.1482

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	0.0190	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	88.9732	88.9732	4.1100e-003	1.4100e-003	89.4969
Mobile	0.1206	0.1110	0.9590	1.8200e-003	0.2069	1.3900e-003	0.2083	0.0552	1.2900e-003	0.0565	0.0000	168.7664	168.7664	0.0140	9.1000e-003	171.8285
Waste						0.0000	0.0000		0.0000	0.0000	0.8607	0.0000	0.8607	0.0509	0.0000	2.1323
Water						0.0000	0.0000		0.0000	0.0000	0.4478	3.0546	3.5124	0.0463	1.1200e-003	5.0036
Total	0.1454	0.1635	1.0032	2.1400e-003	0.2069	5.3800e-003	0.2123	0.0552	5.2800e-003	0.0605	1.3085	260.8043	262.1128	0.1153	0.0116	268.4614

JAMS Construction Phase 4 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0190	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	88.9732	88.9732	4.1100e-003	1.4100e-003	89.4969
Mobile	0.1206	0.1110	0.9590	1.8200e-003	0.2069	1.3900e-003	0.2083	0.0552	1.2900e-003	0.0565	0.0000	168.7664	168.7664	0.0140	9.1000e-003	171.8285
Waste						0.0000	0.0000		0.0000	0.0000	0.8607	0.0000	0.8607	0.0509	0.0000	2.1323
Water						0.0000	0.0000		0.0000	0.0000	0.4478	3.0646	3.5124	0.0463	1.1200e-003	5.0036
Total	0.1454	0.1635	1.0032	2.1400e-003	0.2069	5.3800e-003	0.2123	0.0552	5.2800e-003	0.0605	1.3085	260.8043	262.1128	0.1153	0.0116	268.4614

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	7/1/2026	9/8/2026	5	50	
2	Grading	Grading	9/1/2026	9/14/2026	5	10	
3	Paving	Paving	9/1/2026	10/5/2026	5	25	
4	Coating	Architectural Coating	11/1/2026	12/4/2026	5	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.35

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 6,975; Non-Residential Outdoor: 2,325; Striped Parking Area: 0 (Architectural Coating)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	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	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

JAMS Construction Phase 4 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.1 Mitigation Measures Construction**

Water Exposed Area

3.2 Demolition - 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	7.9600e-003	0.0854	0.1360	1.9000e-004		3.5600e-003	3.5600e-003		3.2700e-003	3.2700e-003	0.0000	16.9939	16.9939	5.5000e-003	0.0000	17.1313
Total	7.9600e-003	0.0854	0.1360	1.9000e-004		3.5600e-003	3.5600e-003		3.2700e-003	3.2700e-003	0.0000	16.9939	16.9939	5.5000e-003	0.0000	17.1313

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.4000e-004	5.7000e-004	8.6500e-003	3.0000e-005	3.5700e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.6000e-004	0.0000	2.5365	2.5365	5.0000e-005	6.0000e-005	2.5553
Total	8.4000e-004	5.7000e-004	8.6500e-003	3.0000e-005	3.5700e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.6000e-004	0.0000	2.5365	2.5365	5.0000e-005	6.0000e-005	2.5553

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.9600e-003	0.0854	0.1360	1.9000e-004		3.5600e-003	3.5600e-003		3.2700e-003	3.2700e-003	0.0000	16.9938	16.9938	5.5000e-003	0.0000	17.1312
Total	7.9600e-003	0.0854	0.1360	1.9000e-004		3.5600e-003	3.5600e-003		3.2700e-003	3.2700e-003	0.0000	16.9938	16.9938	5.5000e-003	0.0000	17.1312

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.4000e-004	5.7000e-004	8.6500e-003	3.0000e-005	3.5700e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.6000e-004	0.0000	2.5365	2.5365	5.0000e-005	6.0000e-005	2.5553
Total	8.4000e-004	5.7000e-004	8.6500e-003	3.0000e-005	3.5700e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.6000e-004	0.0000	2.5365	2.5365	5.0000e-005	6.0000e-005	2.5553

JAMS Construction Phase 4 - South Coast AQMD Air District, Annual

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

3.3 Grading - 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					1.9000e-004	0.0000	1.9000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7600e-003	0.0202	0.0320	5.0000e-005		7.9000e-004	7.9000e-004		7.3000e-004	7.3000e-004	0.0000	4.0819	4.0819	1.3200e-003	0.0000	4.1150
Total	1.7600e-003	0.0202	0.0320	5.0000e-005	1.9000e-004	7.9000e-004	9.8000e-004	2.0000e-005	7.3000e-004	7.5000e-004	0.0000	4.0819	4.0819	1.3200e-003	0.0000	4.1150

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.7000e-004	1.1000e-004	1.7300e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5073	0.5073	1.0000e-005	1.0000e-005	0.5111
Total	1.7000e-004	1.1000e-004	1.7300e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5073	0.5073	1.0000e-005	1.0000e-005	0.5111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0000e-005	0.0000	7.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7600e-003	0.0202	0.0320	5.0000e-005		7.9000e-004	7.9000e-004		7.3000e-004	7.3000e-004	0.0000	4.0819	4.0819	1.3200e-003	0.0000	4.1149
Total	1.7600e-003	0.0202	0.0320	5.0000e-005	7.0000e-005	7.9000e-004	8.6000e-004	1.0000e-005	7.3000e-004	7.4000e-004	0.0000	4.0819	4.0819	1.3200e-003	0.0000	4.1149

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.7000e-004	1.1000e-004	1.7300e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5073	0.5073	1.0000e-005	1.0000e-005	0.5111
Total	1.7000e-004	1.1000e-004	1.7300e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5073	0.5073	1.0000e-005	1.0000e-005	0.5111

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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 Paving - 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	2.7900e-003	0.0331	0.0504	7.0000e-005		1.3200e-003	1.3200e-003		1.2100e-003	1.2100e-003	0.0000	6.4993	6.4993	2.1000e-003	0.0000	6.5518
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7900e-003	0.0331	0.0504	7.0000e-005		1.3200e-003	1.3200e-003		1.2100e-003	1.2100e-003	0.0000	6.4993	6.4993	2.1000e-003	0.0000	6.5518

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-004	1.7000e-004	2.6600e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	0.0000	3.0000e-004	0.0000	0.7805	0.7805	2.0000e-005	2.0000e-005	0.7863
Total	2.6000e-004	1.7000e-004	2.6600e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	0.0000	3.0000e-004	0.0000	0.7805	0.7805	2.0000e-005	2.0000e-005	0.7863

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.7900e-003	0.0331	0.0504	7.0000e-005		1.3200e-003	1.3200e-003		1.2100e-003	1.2100e-003	0.0000	6.4992	6.4992	2.1000e-003	0.0000	6.5518
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7900e-003	0.0331	0.0504	7.0000e-005		1.3200e-003	1.3200e-003		1.2100e-003	1.2100e-003	0.0000	6.4992	6.4992	2.1000e-003	0.0000	6.5518

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-004	1.7000e-004	2.6600e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	0.0000	3.0000e-004	0.0000	0.7805	0.7805	2.0000e-005	2.0000e-005	0.7863
Total	2.6000e-004	1.7000e-004	2.6600e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	0.0000	3.0000e-004	0.0000	0.7805	0.7805	2.0000e-005	2.0000e-005	0.7863

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1400e-003	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959
Total	0.0129	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959

[illegible]

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1400e-003	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959
Total	0.0129	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959

[illegible]

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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	0.1206	0.1110	0.9590	1.8200e-003	0.2069	1.3900e-003	0.2083	0.0552	1.2900e-003	0.0565	0.0000	168.7664	168.7664	0.0140	9.1000e-003	171.8285
Unmitigated	0.1206	0.1110	0.9590	1.8200e-003	0.2069	1.3900e-003	0.2083	0.0552	1.2900e-003	0.0565	0.0000	168.7664	168.7664	0.0140	9.1000e-003	171.8285

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Quality Restaurant	389.86	418.69	334.66	549,649	549,649
Total	389.86	418.69	334.66	549,649	549,649

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

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	31.8187	31.8187	3.0100e-003	3.7000e-004	32.0028
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.8187	31.8187	3.0100e-003	3.7000e-004	32.0028
NaturalGas Mitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1545	57.1545	1.1000e-003	1.0500e-003	57.4941
NaturalGas Unmitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1545	57.1545	1.1000e-003	1.0500e-003	57.4941

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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					
Quality Restaurant	1.07103e+006	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1545	57.1545	1.1000e-003	1.0500e-003	57.4941
Total		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1545	57.1545	1.1000e-003	1.0500e-003	57.4941

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					
Quality Restaurant	1.07103e+006	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1545	57.1545	1.1000e-003	1.0500e-003	57.4941
Total		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1545	57.1545	1.1000e-003	1.0500e-003	57.4941

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Quality Restaurant	201205	31.8187	3.0100e-003	3.7000e-004	32.0028
Total		31.8187	3.0100e-003	3.7000e-004	32.0028

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Quality Restaurant	201205	31.8187	3.0100e-003	3.7000e-004	32.0028
Total		31.8187	3.0100e-003	3.7000e-004	32.0028

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

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	tons/yr										MT/yr					
Mitigated	0.0190	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004
Unmitigated	0.0190	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004

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	2.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0168					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004
Total	0.0190	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004

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	2.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0168					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004
Total	0.0190	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.2000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.0 Water Detail****7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.5124	0.0463	1.1200e-003	5.0036
Unmitigated	3.5124	0.0463	1.1200e-003	5.0036

7.2 Water by Land Use**Unmitigated**

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Quality Restaurant 1.41143 / 0.0900914	3.5124	0.0463	1.1200e-003	5.0036
Total	3.5124	0.0463	1.1200e-003	5.0036

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Quality Restaurant 1.41143 / 0.0900914	3.5124	0.0463	1.1200e-003	5.0036
Total	3.5124	0.0463	1.1200e-003	5.0036

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.8607	0.0509	0.0000	2.1323
Unmitigated	0.8607	0.0509	0.0000	2.1323

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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			
Quality Restaurant	4.24	0.8607	0.0509	0.0000	2.1323
Total		0.8607	0.0509	0.0000	2.1323

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Quality Restaurant	4.24	0.8607	0.0509	0.0000	2.1323
Total		0.8607	0.0509	0.0000	2.1323

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

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**JAMS Construction Phase 4**
South Coast AQMD Air District, Summer**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	4.65	1000sqft	0.11	4,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	348.64	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Renovate Central Quad & Renovate Cafeteria

Construction Phase - based on duration from PD scaled using CalEEMod defaults

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	25.00
tblConstructionPhase	NumDays	10.00	50.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	25.00
tblGrading	MaterialImported	0.00	60.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

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					
2026	1.0330	10.1653	16.8341	0.0260	0.4178	0.4079	0.8258	0.1049	0.3753	0.4802	0.0000	2,528.1564	2,528.1564	0.7248	6.3000e-003	2,548.1573
Maximum	1.0330	10.1653	16.8341	0.0260	0.4178	0.4079	0.8258	0.1049	0.3753	0.4802	0.0000	2,528.1564	2,528.1564	0.7248	6.3000e-003	2,548.1573

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					
2026	1.0330	10.1653	16.8341	0.0260	0.3948	0.4079	0.8027	0.1024	0.3753	0.4777	0.0000	2,528.1564	2,528.1564	0.7248	6.3000e-003	2,548.1573
Maximum	1.0330	10.1653	16.8341	0.0260	0.3948	0.4079	0.8027	0.1024	0.3753	0.4777	0.0000	2,528.1564	2,528.1564	0.7248	6.3000e-003	2,548.1573

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	5.52	0.00	2.79	2.39	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1039	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003
Energy	0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681
Mobile	0.7786	0.6126	5.6659	0.0113	1.2560	8.2900e-003	1.2643	0.3347	7.7100e-003	0.3424		1,147.8046	1,147.8046	0.0884	0.0574	1,167.1042
Total	0.9141	0.9002	5.9080	0.0130	1.2560	0.0302	1.2862	0.3347	0.0296	0.3643		1,493.0222	1,493.0222	0.0950	0.0637	1,514.3733

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.1039	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003
Energy	0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681
Mobile	0.7786	0.6126	5.6659	0.0113	1.2560	8.2800e-003	1.2643	0.3347	7.7100e-003	0.3424		1,147.8046	1,147.8046	0.0884	0.0574	1,167.1042
Total	0.9141	0.9002	5.9080	0.0130	1.2560	0.0302	1.2862	0.3347	0.0296	0.3643		1,493.0222	1,493.0222	0.0950	0.0637	1,514.3733

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	7/1/2026	9/8/2026	5	50	
2	Grading	Grading	9/1/2026	9/14/2026	5	10	
3	Paving	Paving	9/1/2026	10/5/2026	5	25	
4	Coating	Architectural Coating	11/1/2026	12/4/2026	5	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.35

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 6,975; Non-Residential Outdoor: 2,325; Striped Parking Area: 0 (Architectural Coating)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	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	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.1 Mitigation Measures Construction**

Water Exposed Area

3.2 Demolition - 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	0.3184	3.4172	5.4417	7.7400e-003		0.1424	0.1424		0.1310	0.1310		749.3006	749.3006	0.2423		755.3590
Total	0.3184	3.4172	5.4417	7.7400e-003		0.1424	0.1424		0.1310	0.1310		749.3006	749.3006	0.2423		755.3590

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027
Total	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3184	3.4172	5.4417	7.7400e-003		0.1424	0.1424		0.1310	0.1310	0.0000	749.3006	749.3006	0.2423		755.3590
Total	0.3184	3.4172	5.4417	7.7400e-003		0.1424	0.1424		0.1310	0.1310	0.0000	749.3006	749.3006	0.2423		755.3590

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027
Total	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 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					
Fugitive Dust					0.0378	0.0000	0.0378	4.1100e-003	0.0000	4.1100e-003			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455		899.9147	899.9147	0.2911		907.1910
Total	0.3523	4.0461	6.3914	9.3000e-003	0.0378	0.1582	0.1960	4.1100e-003	0.1455	0.1496		899.9147	899.9147	0.2911		907.1910

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027
Total	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0147	0.0000	0.0147	1.6000e-003	0.0000	1.6000e-003			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455	0.0000	899.9147	899.9147	0.2911		907.1910
Total	0.3523	4.0461	6.3914	9.3000e-003	0.0147	0.1582	0.1729	1.6000e-003	0.1455	0.1471	0.0000	899.9147	899.9147	0.2911		907.1910

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027
Total	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Paving - 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	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971		573.1354	573.1354	0.1854		577.7695
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971		573.1354	573.1354	0.1854		577.7695

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0210	0.0125	0.2286	7.1000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		71.9543	71.9543	1.4300e-003	1.4800e-003	72.4324
Total	0.0210	0.0125	0.2286	7.1000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		71.9543	71.9543	1.4300e-003	1.4800e-003	72.4324

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971	0.0000	573.1354	573.1354	0.1854		577.7695
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971	0.0000	573.1354	573.1354	0.1854		577.7695

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0210	0.0125	0.2286	7.1000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		71.9543	71.9543	1.4300e-003	1.4800e-003	72.4324
Total	0.0210	0.0125	0.2286	7.1000e-004	0.0894	4.3000e-004	0.0899	0.0237	4.0000e-004	0.0241		71.9543	71.9543	1.4300e-003	1.4800e-003	72.4324

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 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	0.8621					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	1.0330	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0000	0.0000	0.0000	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8621					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	1.0330	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0000	0.0000	0.0000	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

JAMS Construction Phase 4 - South Coast AQMD Air District, 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	0.7786	0.6126	5.6659	0.0113	1.2560	8.2900e-003	1.2643	0.3347	7.7100e-003	0.3424		1,147.8046	1,147.8046	0.0884	0.0574	1,167.1042
Unmitigated	0.7786	0.6126	5.6659	0.0113	1.2560	8.2900e-003	1.2643	0.3347	7.7100e-003	0.3424		1,147.8046	1,147.8046	0.0884	0.0574	1,167.1042

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Quality Restaurant	389.86	418.69	334.66	549,649	549,649
Total	389.86	418.69	334.66	549,649	549,649

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

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	0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681
NaturalGas Unmitigated	0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681

5.2 Energy by Land Use - NaturalGasUnmitigated

	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					
Quality Restaurant	2934.34	0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681
Total		0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

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

	Natural Gas 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					
Quality Restaurant	2.93434	0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681
Total		0.0316	0.2877	0.2417	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.2166	345.2166	6.6200e-003	6.3300e-003	347.2681

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	0.1039	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003
Unmitigated	0.1039	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003

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	0.0118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003
Total	0.1039	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003

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	0.0118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003
Total	0.1039	0.0000	4.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0200e-003	1.0200e-003	0.0000		1.0800e-003

JAMS Construction Phase 4 - South Coast AQMD Air District, Summer

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

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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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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South Coast AQMD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	15.68	1000sqft	0.36	15,677.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1; Operational Run only

Land Use - Net new building area

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Demolition - Operational run only

Grading - Operational run only

Architectural Coating - Operational run only

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

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

On-road Fugitive Dust - Operational run only

Vehicle Trips - Mobile emissions excluded

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblLandUse	LandUseSquareFeet	15,680.00	15,677.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	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

tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64
tblTripsAndVMT	HaulingTripNumber	99.00	0.00
tblTripsAndVMT	VendorTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	1.00	0.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	14.07	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					
2023	0.0000	0.0000	0.0000	0.0000	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					
2023	0.0000	0.0000	0.0000	0.0000	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	N2O	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	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Energy	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	22.8556	22.8556	1.5100e-003	3.2000e-004	22.9892
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	4.1370	0.0000	4.1370	0.2445	0.0000	10.2491
Water						0.0000	0.0000		0.0000	0.0000	0.1652	3.4243	3.5895	0.0173	4.4000e-004	4.1528
Total	0.0648	7.9200e-003	6.8600e-003	5.0000e-005	0.0000	6.0000e-004	6.0000e-004	0.0000	6.0000e-004	6.0000e-004	4.3021	26.2803	30.5824	0.2633	7.6000e-004	37.3915

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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	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Energy	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	22.8556	22.8556	1.5100e-003	3.2000e-004	22.9892
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	4.1370	0.0000	4.1370	0.2445	0.0000	10.2491
Water						0.0000	0.0000		0.0000	0.0000	0.1652	3.4243	3.5895	0.0173	4.4000e-004	4.1528
Total	0.0648	7.9200e-003	6.8600e-003	5.0000e-005	0.0000	6.0000e-004	6.0000e-004	0.0000	6.0000e-004	6.0000e-004	4.3021	26.2803	30.5824	0.2633	7.6000e-004	37.3915

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	6/16/2023	5	2	
3	Building Construction	Building Construction	6/17/2023	11/3/2023	5	100	

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

4	Paving	Paving	11/4/2023	11/10/2023	5	5
5	Archetctural Coating	Architectural Coating	11/11/2023	11/17/2023	5	5

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,516; Non-Residential Outdoor: 7,839; Striped Parking Area: 0
(Architectural Coating – sqft)OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	0	6.00	89	0.20
Demolition	Skid Steer Loaders	0	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grading	Rollers	0	7.00	80	0.38
Grading	Skid Steer Loaders	0	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Forklifts	0	6.00	89	0.20
Paving	Rollers	0	7.00	80	0.38
Paving	Skid Steer Loaders	0	7.00	65	0.37
Archetctural 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
Demolition	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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

Unmitigated Construction On-Site

[illegible]

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

Unmitigated Construction Off-Site

[illegible]

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

Mitigated Construction Off-Site

Unmitigated Construction On-Site

[illegible]

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

Unmitigated Construction Off-Site

[illegible]

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

Mitigated Construction Off-Site

Unmitigated Construction On-Site

[illegible]

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

Unmitigated Construction Off-Site

[illegible]

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

Mitigated Construction Off-Site

Unmitigated Construction On-Site

[illegible]

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

Unmitigated Construction Off-Site

[illegible]

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

Mitigated Construction Off-Site

Unmitigated Construction On-Site

[illegible]

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

Unmitigated Construction Off-Site

[illegible]

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

Mitigated Construction Off-Site

[illegible]

JAMS Operations - South Coast AQMD Air District, 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	0.0000	0.0000	0.0000	0.0000	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
High School	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
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

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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	14.2304	14.2304	1.3500e-003	1.6000e-004	14.3128
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	14.2304	14.2304	1.3500e-003	1.6000e-004	14.3128
NaturalGas Mitigated	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764
NaturalGas Unmitigated	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764

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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					
High School	161630	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764
Total		8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764

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					
High School	161630	8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764
Total		8.7000e-004	7.9200e-003	6.6600e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004	0.0000	8.6252	8.6252	1.7000e-004	1.6000e-004	8.6764

JAMS Operations - South Coast AQMD Air District, 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			
High School	89986	14.2304	1.3500e-003	1.6000e-004	14.3128
Total		14.2304	1.3500e-003	1.6000e-004	14.3128

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	89986	14.2304	1.3500e-003	1.6000e-004	14.3128
Total		14.2304	1.3500e-003	1.6000e-004	14.3128

6.0 Area Detail**6.1 Mitigation Measures Area**

JAMS Operations - South Coast AQMD Air District, 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	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Unmitigated	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

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	7.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Total	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

JAMS Operations - South Coast AQMD Air District, 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	7.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Total	0.0639	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

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	3.5895	0.0173	4.4000e-004	4.1528
Unmitigated	3.5895	0.0173	4.4000e-004	4.1528

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.520649 / 1.33881	3.5895	0.0173	4.4000e-004	4.1528
Total		3.5895	0.0173	4.4000e-004	4.1528

JAMS Operations - South Coast AQMD Air District, 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			
High School	0.520649 / 1.33881	3.5895	0.0173	4.4000e-004	4.1528
Total		3.5895	0.0173	4.4000e-004	4.1528

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.1370	0.2445	0.0000	10.2491
Unmitigated	4.1370	0.2445	0.0000	10.2491

JAMS Operations - South Coast AQMD Air District, 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			
High School	20.38	4.1370	0.2445	0.0000	10.2491
Total		4.1370	0.2445	0.0000	10.2491

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	20.38	4.1370	0.2445	0.0000	10.2491
Total		4.1370	0.2445	0.0000	10.2491

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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JAMS Operations - South Coast AQMD Air District, Annual

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
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User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

JAMS Operations - South Coast AQMD Air District, Summer

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

JAMS Operations
South Coast AQMD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	15.68	1000sqft	0.36	15,677.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1; Operational Run only

Land Use - Net new building area

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Demolition - Operational run only

Grading - Operational run only

Architectural Coating - Operational run only

JAMS Operations - South Coast AQMD Air District, Summer

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

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

On-road Fugitive Dust - Operational run only

Vehicle Trips - Mobile emissions excluded

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblLandUse	LandUseSquareFeet	15,680.00	15,677.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00

JAMS Operations - South Coast AQMD Air District, Summer

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

tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64
tblTripsAndVMT	HaulingTripNumber	99.00	0.00
tblTripsAndVMT	VendorTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	1.00	0.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	14.07	0.00

2.0 Emissions Summary

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

Unmitigated Construction

Mitigated Construction

[illegible]

JAMS Operations - South Coast AQMD Air District, 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	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Energy	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
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
Total	0.3552	0.0434	0.0381	2.6000e-004	0.0000	3.3100e-003	3.3100e-003	0.0000	3.3100e-003	3.3100e-003		52.1001	52.1001	1.0100e-003	9.6000e-004	52.4099

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	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Energy	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
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
Total	0.3552	0.0434	0.0381	2.6000e-004	0.0000	3.3100e-003	3.3100e-003	0.0000	3.3100e-003	3.3100e-003		52.1001	52.1001	1.0100e-003	9.6000e-004	52.4099

JAMS Operations - South Coast AQMD Air District, 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
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	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	6/16/2023	5	2	
3	Building Construction	Building Construction	6/17/2023	11/3/2023	5	100	
4	Paving	Paving	11/4/2023	11/10/2023	5	5	
5	Archetectural Coating	Architectural Coating	11/11/2023	11/17/2023	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,516; Non-Residential Outdoor: 7,839; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Forklifts	0	6.00	89	0.20
Demolition	Skid Steer Loaders	0	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grading	Rollers	0	7.00	80	0.38
Grading	Skid Steer Loaders	0	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

JAMS Operations - South Coast AQMD Air District, Summer

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

Building Construction	Forklifts	0	6.00	89	0.20
Paving	Rollers	0	7.00	80	0.38
Paving	Skid Steer Loaders	0	7.00	65	0.37
Archetctural 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
Demolition	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Archetctural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**3.2 Demolition - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					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
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

Unmitigated Construction Off-Site

[illegible]

JAMS Operations - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2023****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	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

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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	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

Unmitigated Construction Off-Site

[illegible]

JAMS Operations - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	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	0.0000	0.0000	0.0000	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

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	lb/day										lb/day					
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
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

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

Unmitigated Construction Off-Site

[illegible]

JAMS Operations - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	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	0.0000	0.0000	0.0000	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

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	lb/day										lb/day					
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
Paving	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

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

Unmitigated Construction Off-Site

[illegible]

JAMS Operations - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	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	0.0000	0.0000	0.0000	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

3.6 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	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
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

Unmitigated Construction Off-Site

[illegible]

JAMS Operations - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2023****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	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

JAMS Operations - South Coast AQMD Air District, 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	0.0000	0.0000	0.0000	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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	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
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.540015	0.063309	0.186717	0.127205	0.023780	0.006682	0.012512	0.009167	0.000820	0.000485	0.025014	0.000756	0.003538

JAMS Operations - South Coast AQMD Air District, Summer

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	lb/day										lb/day					
NaturalGas Mitigated	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
NaturalGas Unmitigated	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062

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					
High School	442.822	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
Total		4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062

JAMS Operations - South Coast AQMD Air District, 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					
High School	0.442822	4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062
Total		4.7800e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003		52.0967	52.0967	1.0000e-003	9.6000e-004	52.4062

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	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Unmitigated	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003

JAMS Operations - South Coast AQMD Air District, 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	0.0398					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Total	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003

JAMS Operations - South Coast AQMD Air District, 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	0.0398					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3104					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003
Total	0.3504	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4300e-003	3.4300e-003	1.0000e-005		3.6500e-003

7.0 Water Detail

7.1 Mitigation Measures Water

JAMS Operations - South Coast AQMD Air District, 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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Construction Fuel Usage Summary

		Diesel	Diesel	Diesel	Gasoline
Phase	Construction Year	Off-road Equipment (gallons)	On-road (gallons)	Off-road & On-road (gallons)	On-road (gallons)
1	2023	2,105	0	2,105	79
2	2024	16,822	323	17,145	1,645
3	2026	3,133	2	3,136	181
4	2028	9,258	325	9,583	516
Sub Total		31,318	650	31,968	2,422

Total Gasoline	2,422	gallons
Total Diesel	31,968	gallons

Operational Energy Summary

Land Use	Electricity kWh/year	Electricity MWh/year	Natural Gas kBTU/year	Natural Gas therm/year
Industrial Park	89,986	90	161,630	1,616
TOTAL	89,986	90	161,630	1,616

Construction Fuel Use

Phase 1 Construction Offroad Equipment (2023)

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Grading	Skid Steer L	1	6	65	0.37	8	2.9	167
Grading	Tractors/Lc	1	6	97	0.37	8	2.9	250
Paving	Rollers	1	7	80	0.38	20	2.9	617
Paving	Skid Steer L	1	6	65	0.37	20	2.9	419
Archetectural Co	Air Compre	1	6	78	0.48	20	2.9	652
Sub TOTAL								2,105

Phase 2 Construction Offroad Equipment (2025)

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Demolition	Forklifts	2	6	89	0.2	34	2.9	1,053
Demolition	Skid Steer L	2	6	65	0.37	34	2.9	1,423
Demolition	Tractors/Lc	1	6	97	0.37	34	2.9	1,062
Grading	Rollers	1	7	80	0.38	7	2.9	216
Grading	Skid Steer L	3	6	65	0.37	7	2.9	439
Grading	Tractors/Lc	1	6	97	0.37	7	2.9	219
Building Constr	Forklifts	2	6	89	0.2	339	2.9	10,501
Paving	Rollers	1	7	80	0.38	17	2.9	525
Paving	Skid Steer L	2	7	65	0.37	17	2.9	830
Archetectural Co	Air Compre	1	6	78	0.48	17	2.9	554
Sub TOTAL								16,822

Phase 1	Year	Start Date	End Date	Network Days
Demolition	2023	2023/06/01	2023/07/26	40
Grading	2023	2023/06/15	2023/06/26	8
Paving	2023	2023/08/01	2023/08/28	20
Architectural Coating	2023	2023/09/01	2023/09/28	20

Phase 2	Year	Start Date	End Date	Network Days
Demolition	2025	2025/01/01	2025/02/17	34
Grading	2025	2025/03/01	2025/03/11	7
Building Construction	2025	2025/04/01	2026/07/18	339
Paving	2025	2025/04/01	2025/04/23	17
Architectural Coating	2026	2026/08/01	2026/08/25	17

Phase 3 Construction Offroad Equipment (2024)

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Demolition	Forklifts	2	6	89	0.2	20	2.9	620
Demolition	Skid Steer L	2	6	65	0.37	20	2.9	837
Demolition	Tractors/Lc	1	6	97	0.37	20	2.9	625
Grading	Skid Steer L	1	6	65	0.37	4	2.9	84
Grading	Tractors/Lc	1	6	97	0.37	4	2.9	125
Paving	Rollers	1	7	80	0.38	10	2.9	309
Paving	Skid Steer L	1	6	65	0.37	10	2.9	209
Coating	Air Compre	1	6	78	0.48	10	2.9	326
Sub TOTAL								3,133

Phase 4 Construction Offroad Equipment (2026)

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Demolition	Forklifts	2	6	89	0.2	50	2.9	1,549
Demolition	Skid Steer L	2	6	65	0.37	50	2.9	2,093
Demolition	Tractors/Lc	1	6	97	0.37	50	2.9	1,561
Grading	Rollers	1	7	80	0.38	10	2.9	309
Grading	Skid Steer L	3	6	65	0.37	10	2.9	628
Grading	Tractors/Lc	1	6	97	0.37	10	2.9	312
Paving	Rollers	1	7	80	0.38	25	2.9	772
Paving	Skid Steer L	2	7	65	0.37	25	2.9	1,221
Coating	Air Compre	1	6	78	0.48	25	2.9	814
Sub TOTAL								9,258
TOTAL								31,318

Phase 3	Year	Start Date	End Date	Network Days
Demolition	2024	2024/04/01	2024/04/26	20
Grading	2024	2024/07/01	2024/07/04	4
Paving	2024	2024/07/01	2024/07/14	10
Building Construction	2024	2024/08/01	2025/05/02	197
Architectural Coating	2025	2025/02/01	2025/02/14	10

Phase 4	Year	Start Date	End Date	Network Days
Demolition	2026	2026/07/01	2026/09/08	50
Grading	2026	2026/09/01	2026/09/14	10
Paving	2026	2026/09/01	2026/10/05	25
Architectural Coating	2026	2026/11/01	2026/12/04	25

Trips and VMT

Phase 1 (2023)

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	0	40	0	0	0	14.7	6.9	0	0	0	0	0	0
Grading	5	8	40	0	0	14.7	6.9	20	588	0	0	22	0
Paving	5	20	100	0	0	14.7	6.9	20	1470	0	0	56	0
Architectural Coating	0	20	0	0	0	14.7	6.9	20	0	0	0	0	0
Sub TOTAL												79	0

Phase 2 (2025)

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	13	34	442	0	99	14.7	6.9	20	6497	0	1980	238	319
Grading	13	7	91	0	0	14.7	6.9	20	1338	0	0	49	0
Building Construction	7	339	2373	3	0	14.7	6.9	20	34883	21	0	1276	3
Paving	8	17	136	0	0	14.7	6.9	20	1999	0	0	73	0
Architectural Coating	1	17	17	0	0	14.7	6.9	20	250	0	0	9	0
Sub TOTAL												1,645	323

Phase 3 (2024)

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	13	20	260	0	0	14.7	6.9	20	3822	0	0	143	0
Grading	5	4	20	0	0	14.7	6.9	20	294	0	0	11	0
Paving	5	10	50	0	0	14.7	6.9	20	735	0	0	27	0
Building Construction	0	197	0	2	0	14.7	6.9	0	0	13.8	0	0	2
Architectural Coating	0	10	0	0	0	14.7	6.9	0	0	0	0	0	0
Sub TOTAL												181	2

Phase 4 (2026)

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	13	50	650	0	0	15	7	20	9555	0	0	342	0
Grading	13	10	130	0	0	15	7	20	1911	0	0	68	0
Paving	8	25	200	0	0	15	7	20	2940	0	0	105	0
Architectural Coating	0	25	0	0	0	15	7	20	0	0	0	0	0
Sub TOTAL												516	0
TOTAL												2,422	325

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Air District

Region: South Coast AQMD

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Sacramento	2023	LDA	Aggregate	Aggregate	Gasoline	5,515,654	221,235,121	25,694,584	7,705	-	28.71	26.17	6.12
Sacramento	2023	LDT1	Aggregate	Aggregate	Gasoline	513,619	18,520,848	2,259,157	773	-	23.95		
Sacramento	2023	LDT2	Aggregate	Aggregate	Gasoline	2,500,702	103,068,052	11,756,611	4,422	-	23.31		
Sacramento	2023	T7 Tractor	Aggregate	Aggregate	Diesel	24,627	1,989,661	357,826	-	325	6.12		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air District
Region: South Coast AQMD
Calendar Year: 2023, 2024, 2025, 2026
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Sacrament	2024	LDA	Aggregate	Aggregate	Gasoline	5,451,205	218,661,478	25,370,626	7,460	-	29.31	26.74	6.16
Sacrament	2024	LDT1	Aggregate	Aggregate	Gasoline	505,255	18,293,109	2,223,063	749	-	24.42		
Sacrament	2024	LDT2	Aggregate	Aggregate	Gasoline	2,551,917	105,566,684	12,002,899	4,409	-	23.94		
Sacrament	2024	T7 Tractor	Aggregate	Aggregate	Diesel	26,140	2,025,345	379,816	-	329	6.16		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air District
Region: South Coast AQMD
Calendar Year: 2023, 2024, 2025, 2026
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Sacramento	2026	LDA	Aggregate	Aggregate	Gasoline	5,339,380	212,244,195	24,814,667	6,945	-	30.56	27.91	6.25
Sacramento	2026	LDT1	Aggregate	Aggregate	Gasoline	490,238	17,704,193	2,158,650	698	-	25.36		
Sacramento	2026	LDT2	Aggregate	Aggregate	Gasoline	2,657,372	109,178,451	12,497,507	4,337	-	25.18		
Sacramento	2026	T7 Tractor	Aggregate	Aggregate	Diesel	28,945	2,091,215	420,565	-	335	6.25		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air District
Region: South Coast AQMD
Calendar Year: 2023, 2024, 2025, 2026
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Sacramento	2028	LDA	Aggregate	Aggregate	Gasoline	5,388,809	215,237,784	25,057,977	7,192	-	30	27.33	6.20
Sacramento	2028	LDT1	Aggregate	Aggregate	Gasoline	497,456	17,999,149	2,189,371	723	-	25		
Sacramento	2028	LDT2	Aggregate	Aggregate	Gasoline	2,603,678	107,489,708	12,247,310	4,374	-	25		
Sacramento	2028	T7 Tractor	Aggregate	Aggregate	Diesel	27,586	2,058,921	400,821	-	332	6		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).