
APPENDICES

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APPENDIX A.
**AIR QUALITY/GREENHOUSE GAS/
ENERGY DATA**

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Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Franklin Elementary School - Phase 1
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	3.81	1000sqft	0.09	3,805.00	0
Other Non-Asphalt Surfaces	25.50	1000sqft	0.59	25,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 1 includes the construction of a new one-story Maker-Space building and outdoor Maker Yard, Maker Patio, presentation platform, and playfield.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Default.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

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Trips and VMT -

Demolition - Provided by the applicant.

Grading - The project is proposing to export approximately 200 cubic yards of earthwork materials during Phase-1 construction.

Vehicle Trips - No additional operational mobile emissions are expected.

Construction Off-road Equipment Mitigation - The project is expected to comply with SCAQMD Rule 403.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113- Architectural Coating

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

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
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	NumDays	100.00	240.00
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	43.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	3,810.00	3,805.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

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tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0712	0.6608	0.7675	1.5200e-003	0.1673	0.0308	0.1981	0.0798	0.0284	0.1082	0.0000	134.8709	134.8709	0.0375	1.4800e-003	136.2486
2024	0.0336	0.2048	0.2955	5.1000e-004	0.0113	9.9100e-003	0.0212	3.0500e-003	9.2200e-003	0.0123	0.0000	45.5365	45.5365	9.5700e-003	8.9000e-004	46.0423
Maximum	0.0712	0.6608	0.7675	1.5200e-003	0.1673	0.0308	0.1981	0.0798	0.0284	0.1082	0.0000	134.8709	134.8709	0.0375	1.4800e-003	136.2486

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	0.0712	0.6608	0.7675	1.5200e-003	0.0741	0.0308	0.1049	0.0328	0.0284	0.0612	0.0000	134.8708	134.8708	0.0375	1.4800e-003	136.2484
2024	0.0336	0.2048	0.2955	5.1000e-004	0.0113	9.9100e-003	0.0212	3.0500e-003	9.2200e-003	0.0123	0.0000	45.5365	45.5365	9.5700e-003	8.9000e-004	46.0423
Maximum	0.0712	0.6608	0.7675	1.5200e-003	0.0741	0.0308	0.1049	0.0328	0.0284	0.0612	0.0000	134.8708	134.8708	0.0375	1.4800e-003	136.2484

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	52.20	0.00	42.51	56.72	0.00	39.04	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	5-1-2023	7-31-2023	0.4265	0.4265
2	8-1-2023	10-31-2023	0.2359	0.2359
3	11-1-2023	1-31-2024	0.0770	0.0770
4	2-1-2024	4-30-2024	0.0714	0.0714
5	5-1-2024	7-31-2024	0.1381	0.1381
		Highest	0.4265	0.4265

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	0.0176	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004
Energy	2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	5.9668	5.9668	3.7000e-004	8.0000e-005	5.9992
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	1.0048	0.0000	1.0048	0.0594	0.0000	2.4894
Water						0.0000	0.0000		0.0000	0.0000	0.0351	0.8149	0.8499	3.6700e-003	9.0000e-005	0.9694
Total	0.0178	1.9200e-003	1.9900e-003	1.0000e-005	0.0000	1.5000e-004	1.5000e-004	0.0000	1.5000e-004	1.5000e-004	1.0399	6.7824	7.8222	0.0634	1.7000e-004	9.4588

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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	0.0165	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004
Energy	2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	5.9668	5.9668	3.7000e-004	8.0000e-005	5.9992
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.2512	0.0000	0.2512	0.0149	0.0000	0.6223
Water						0.0000	0.0000		0.0000	0.0000	0.0280	0.7638	0.7919	2.9400e-003	8.0000e-005	0.8881
Total	0.0167	1.9200e-003	1.9900e-003	1.0000e-005	0.0000	1.5000e-004	1.5000e-004	0.0000	1.5000e-004	1.5000e-004	0.2792	6.7314	7.0106	0.0182	1.6000e-004	7.5104

	ROG	NOx	CO	SO2	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	5.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.15	0.75	10.38	71.37	5.88	20.60

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	5/1/2023	6/30/2023	5	45	
2	Grading	Grading	7/3/2023	8/31/2023	5	44	
3	Building Construction	Building Construction	7/3/2023	5/31/2024	5	240	

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4	Paving	Paving	6/3/2024	7/31/2024	5	43
5	Architectural Coating	Architectural Coating	6/3/2024	7/31/2024	5	43

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,708; Non-Residential Outdoor: 1,903; Striped Parking Area: 1,530 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	8.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Skid Steer Loaders	3	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38
Paving	Skid Steer Loaders	2	8.00	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	7	18.00	0.00	37.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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Grading	6	15.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	12.00	5.00	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	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

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	tons/yr										MT/yr					
Fugitive Dust					3.9700e-003	0.0000	3.9700e-003	6.0000e-004	0.0000	6.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0265	0.2318	0.3114	6.5000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	56.7159	56.7159	0.0183	0.0000	57.1745
Total	0.0265	0.2318	0.3114	6.5000e-004	3.9700e-003	0.0103	0.0143	6.0000e-004	9.4800e-003	0.0101	0.0000	56.7159	56.7159	0.0183	0.0000	57.1745

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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	tons/yr										MT/yr					
Hauling	4.0000e-005	2.5400e-003	6.5000e-004	1.0000e-005	3.2000e-004	2.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.0791	1.0791	6.0000e-005	1.7000e-004	1.1316
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0200e-003	0.0138	4.0000e-005	4.4400e-003	3.0000e-005	4.4700e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.5769	3.5769	9.0000e-005	9.0000e-005	3.6066
Total	1.3300e-003	3.5600e-003	0.0145	5.0000e-005	4.7600e-003	5.0000e-005	4.8000e-003	1.2700e-003	4.0000e-005	1.3000e-003	0.0000	4.6559	4.6559	1.5000e-004	2.6000e-004	4.7382

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.4700e-003	0.0000	1.4700e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0265	0.2318	0.3114	6.5000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	56.7159	56.7159	0.0183	0.0000	57.1744
Total	0.0265	0.2318	0.3114	6.5000e-004	1.4700e-003	0.0103	0.0118	2.2000e-004	9.4800e-003	9.7000e-003	0.0000	56.7159	56.7159	0.0183	0.0000	57.1744

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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	tons/yr										MT/yr					
Hauling	4.0000e-005	2.5400e-003	6.5000e-004	1.0000e-005	3.2000e-004	2.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.0791	1.0791	6.0000e-005	1.7000e-004	1.1316
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0200e-003	0.0138	4.0000e-005	4.4400e-003	3.0000e-005	4.4700e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.5769	3.5769	9.0000e-005	9.0000e-005	3.6066
Total	1.3300e-003	3.5600e-003	0.0145	5.0000e-005	4.7600e-003	5.0000e-005	4.8000e-003	1.2700e-003	4.0000e-005	1.3000e-003	0.0000	4.6559	4.6559	1.5000e-004	2.6000e-004	4.7382

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					0.1442	0.0000	0.1442	0.0741	0.0000	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0261	0.2831	0.2496	4.5000e-004		0.0126	0.0126		0.0116	0.0116	0.0000	39.5997	39.5997	0.0128	0.0000	39.9199
Total	0.0261	0.2831	0.2496	4.5000e-004	0.1442	0.0126	0.1568	0.0741	0.0116	0.0857	0.0000	39.5997	39.5997	0.0128	0.0000	39.9199

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3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.7200e-003	4.4000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7291	0.7291	4.0000e-005	1.2000e-004	0.7646
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0500e-003	8.3000e-004	0.0113	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.9145	2.9145	8.0000e-005	7.0000e-005	2.9387
Total	1.0800e-003	2.5500e-003	0.0117	4.0000e-005	3.8400e-003	3.0000e-005	3.8700e-003	1.0200e-003	3.0000e-005	1.0500e-003	0.0000	3.6436	3.6436	1.2000e-004	1.9000e-004	3.7033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0534	0.0000	0.0534	0.0275	0.0000	0.0275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0261	0.2831	0.2496	4.5000e-004		0.0126	0.0126		0.0116	0.0116	0.0000	39.5996	39.5996	0.0128	0.0000	39.9198
Total	0.0261	0.2831	0.2496	4.5000e-004	0.0534	0.0126	0.0660	0.0275	0.0116	0.0391	0.0000	39.5996	39.5996	0.0128	0.0000	39.9198

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3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.7200e-003	4.4000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7291	0.7291	4.0000e-005	1.2000e-004	0.7646
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0500e-003	8.3000e-004	0.0113	3.0000e-005	3.6200e-003	2.0000e-005	3.6400e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.9145	2.9145	8.0000e-005	7.0000e-005	2.9387
Total	1.0800e-003	2.5500e-003	0.0117	4.0000e-005	3.8400e-003	3.0000e-005	3.8700e-003	1.0200e-003	3.0000e-005	1.0500e-003	0.0000	3.6436	3.6436	1.2000e-004	1.9000e-004	3.7033

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0133	0.1248	0.1488	2.0000e-004		7.7100e-003	7.7100e-003		7.0900e-003	7.0900e-003	0.0000	17.4579	17.4579	5.6500e-003	0.0000	17.5990
Total	0.0133	0.1248	0.1488	2.0000e-004		7.7100e-003	7.7100e-003		7.0900e-003	7.0900e-003	0.0000	17.4579	17.4579	5.6500e-003	0.0000	17.5990

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-004	0.0131	4.9000e-003	6.0000e-005	2.0500e-003	6.0000e-005	2.1100e-003	5.9000e-004	6.0000e-005	6.5000e-004	0.0000	5.9092	5.9092	2.0000e-004	8.5000e-004	6.1676
Worker	2.4800e-003	1.9700e-003	0.0267	7.0000e-005	8.5500e-003	5.0000e-005	8.6000e-003	2.2700e-003	5.0000e-005	2.3200e-003	0.0000	6.8888	6.8888	1.8000e-004	1.8000e-004	6.9461
Total	2.8500e-003	0.0151	0.0316	1.3000e-004	0.0106	1.1000e-004	0.0107	2.8600e-003	1.1000e-004	2.9700e-003	0.0000	12.7980	12.7980	3.8000e-004	1.0300e-003	13.1137

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0133	0.1248	0.1488	2.0000e-004		7.7100e-003	7.7100e-003		7.0900e-003	7.0900e-003	0.0000	17.4579	17.4579	5.6500e-003	0.0000	17.5990
Total	0.0133	0.1248	0.1488	2.0000e-004		7.7100e-003	7.7100e-003		7.0900e-003	7.0900e-003	0.0000	17.4579	17.4579	5.6500e-003	0.0000	17.5990

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-004	0.0131	4.9000e-003	6.0000e-005	2.0500e-003	6.0000e-005	2.1100e-003	5.9000e-004	6.0000e-005	6.5000e-004	0.0000	5.9092	5.9092	2.0000e-004	8.5000e-004	6.1676
Worker	2.4800e-003	1.9700e-003	0.0267	7.0000e-005	8.5500e-003	5.0000e-005	8.6000e-003	2.2700e-003	5.0000e-005	2.3200e-003	0.0000	6.8888	6.8888	1.8000e-004	1.8000e-004	6.9461
Total	2.8500e-003	0.0151	0.0316	1.3000e-004	0.0106	1.1000e-004	0.0107	2.8600e-003	1.1000e-004	2.9700e-003	0.0000	12.7980	12.7980	3.8000e-004	1.0300e-003	13.1137

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0104	0.0972	0.1253	1.7000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	14.7720	14.7720	4.7800e-003	0.0000	14.8915
Total	0.0104	0.0972	0.1253	1.7000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	14.7720	14.7720	4.7800e-003	0.0000	14.8915

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3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0111	4.0600e-003	5.0000e-005	1.7300e-003	5.0000e-005	1.7900e-003	5.0000e-004	5.0000e-005	5.5000e-004	0.0000	4.9251	4.9251	1.7000e-004	7.1000e-004	5.1407
Worker	1.9600e-003	1.4900e-003	0.0210	6.0000e-005	7.2300e-003	4.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.7092	5.7092	1.4000e-004	1.4000e-004	5.7542
Total	2.2600e-003	0.0126	0.0251	1.1000e-004	8.9600e-003	9.0000e-005	9.0600e-003	2.4200e-003	9.0000e-005	2.5100e-003	0.0000	10.6343	10.6343	3.1000e-004	8.5000e-004	10.8949

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0104	0.0972	0.1253	1.7000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	14.7720	14.7720	4.7800e-003	0.0000	14.8915
Total	0.0104	0.0972	0.1253	1.7000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	14.7720	14.7720	4.7800e-003	0.0000	14.8915

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3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0111	4.0600e-003	5.0000e-005	1.7300e-003	5.0000e-005	1.7900e-003	5.0000e-004	5.0000e-005	5.5000e-004	0.0000	4.9251	4.9251	1.7000e-004	7.1000e-004	5.1407
Worker	1.9600e-003	1.4900e-003	0.0210	6.0000e-005	7.2300e-003	4.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.7092	5.7092	1.4000e-004	1.4000e-004	5.7542
Total	2.2600e-003	0.0126	0.0251	1.1000e-004	8.9600e-003	9.0000e-005	9.0600e-003	2.4200e-003	9.0000e-005	2.5100e-003	0.0000	10.6343	10.6343	3.1000e-004	8.5000e-004	10.8949

3.5 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	5.8100e-003	0.0683	0.0993	1.5000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	12.7809	12.7809	4.1300e-003	0.0000	12.8842
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.8100e-003	0.0683	0.0993	1.5000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	12.7809	12.7809	4.1300e-003	0.0000	12.8842

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3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	3.9000e-004	5.4700e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4879	1.4879	4.0000e-005	4.0000e-005	1.4996
Total	5.1000e-004	3.9000e-004	5.4700e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4879	1.4879	4.0000e-005	4.0000e-005	1.4996

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.8100e-003	0.0683	0.0993	1.5000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	12.7809	12.7809	4.1300e-003	0.0000	12.8842
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.8100e-003	0.0683	0.0993	1.5000e-004		2.8800e-003	2.8800e-003		2.6500e-003	2.6500e-003	0.0000	12.7809	12.7809	4.1300e-003	0.0000	12.8842

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3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	3.9000e-004	5.4700e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4879	1.4879	4.0000e-005	4.0000e-005	1.4996
Total	5.1000e-004	3.9000e-004	5.4700e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4879	1.4879	4.0000e-005	4.0000e-005	1.4996

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0106					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
Total	0.0145	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972

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3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3720	0.3720	1.0000e-005	1.0000e-005	0.3749
Total	1.3000e-004	1.0000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3720	0.3720	1.0000e-005	1.0000e-005	0.3749

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0106					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
Total	0.0145	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972

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3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3720	0.3720	1.0000e-005	1.0000e-005	0.3749
Total	1.3000e-004	1.0000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3720	0.3720	1.0000e-005	1.0000e-005	0.3749

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Non-Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.8734	3.8734	3.3000e-004	4.0000e-005	3.8933
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.8734	3.8734	3.3000e-004	4.0000e-005	3.8933
Natural Gas Mitigated	2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0934	2.0934	4.0000e-005	4.0000e-005	2.1059
Natural Gas Unmitigated	2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0934	2.0934	4.0000e-005	4.0000e-005	2.1059

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	39229.6	2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0934	2.0934	4.0000e-005	4.0000e-005	2.1059
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0934	2.0934	4.0000e-005	4.0000e-005	2.1059

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					
Elementary School	39229.6	2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0934	2.0934	4.0000e-005	4.0000e-005	2.1059
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1000e-004	1.9200e-003	1.6200e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0934	2.0934	4.0000e-005	4.0000e-005	2.1059

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	21840.7	3.8734	3.3000e-004	4.0000e-005	3.8933
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		3.8734	3.3000e-004	4.0000e-005	3.8933

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	21840.7	3.8734	3.3000e-004	4.0000e-005	3.8933
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		3.8734	3.3000e-004	4.0000e-005	3.8933

6.0 Area Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0165	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004
Unmitigated	0.0176	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

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	2.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004
Total	0.0176	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004
Total	0.0165	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.7000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.7919	2.9400e-003	8.0000e-005	0.8881
Unmitigated	0.8499	3.6700e-003	9.0000e-005	0.9694

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.110478 / 0.284087	0.8499	3.6700e-003	9.0000e-005	0.9694
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.8499	3.6700e-003	9.0000e-005	0.9694

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.0883826 / 0.284087	0.7919	2.9400e-003	8.0000e-005	0.8881
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.7919	2.9400e-003	8.0000e-005	0.8881

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2512	0.0149	0.0000	0.6223
Unmitigated	1.0048	0.0594	0.0000	2.4894

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	4.95	1.0048	0.0594	0.0000	2.4894
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		1.0048	0.0594	0.0000	2.4894

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	1.2375	0.2512	0.0149	0.0000	0.6223
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.2512	0.0149	0.0000	0.6223

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
----------------	--------	----------------	-----------------	---------------	-----------

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 Applied

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Franklin Elementary School - Phase 1
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	3.81	1000sqft	0.09	3,805.00	0
Other Non-Asphalt Surfaces	25.50	1000sqft	0.59	25,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 1 includes the construction of a new one-story Maker-Space building and outdoor Maker Yard, Maker Patio, presentation platform, and playfield.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Default.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Demolition - Provided by the applicant.

Grading - The project is proposing to export approximately 200 cubic yards of earthwork materials during Phase-1 construction.

Vehicle Trips - No additional operational mobile emissions are expected.

Construction Off-road Equipment Mitigation - The project is expected to comply with SCAQMD Rule 403.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113- Architectural Coating

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

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
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	NumDays	100.00	240.00
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	43.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	3,810.00	3,805.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.4835	15.1127	14.7082	0.0310	6.8966	0.6949	7.5916	3.4596	0.6394	4.0989	0.0000	3,013.7160	3,013.7160	0.9061	0.0264	3,040.1072
2024	0.9736	4.4160	6.7665	0.0107	0.1662	0.1954	0.3071	0.0448	0.1846	0.2143	0.0000	1,035.9021	1,035.9021	0.2301	0.0168	1,042.2933
Maximum	1.4835	15.1127	14.7082	0.0310	6.8966	0.6949	7.5916	3.4596	0.6394	4.0989	0.0000	3,013.7160	3,013.7160	0.9061	0.0264	3,040.1072

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	1.4835	15.1127	14.7082	0.0310	2.7716	0.6949	3.4665	1.3397	0.6394	1.9791	0.0000	3,013.7160	3,013.7160	0.9061	0.0264	3,040.1072
2024	0.9736	4.4160	6.7665	0.0107	0.1662	0.1954	0.3071	0.0448	0.1846	0.2143	0.0000	1,035.9021	1,035.9021	0.2301	0.0168	1,042.2933
Maximum	1.4835	15.1127	14.7082	0.0310	2.7716	0.6949	3.4665	1.3397	0.6394	1.9791	0.0000	3,013.7160	3,013.7160	0.9061	0.0264	3,040.1072

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	58.41	0.00	52.22	60.49	0.00	49.15	0.00	0.00	0.00	0.00	0.00	0.00

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0963	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Energy	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
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	0.0974	0.0106	0.0118	6.0000e-005	0.0000	8.1000e-004	8.1000e-004	0.0000	8.1000e-004	8.1000e-004		12.6509	12.6509	2.6000e-004	2.3000e-004	12.7265

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	0.0905	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Energy	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
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	0.0916	0.0106	0.0118	6.0000e-005	0.0000	8.1000e-004	8.1000e-004	0.0000	8.1000e-004	8.1000e-004		12.6509	12.6509	2.6000e-004	2.3000e-004	12.7265

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.95	0.00	0.00	0.00	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	5/1/2023	6/30/2023	5	45	
2	Grading	Grading	7/3/2023	8/31/2023	5	44	
3	Building Construction	Building Construction	7/3/2023	5/31/2024	5	240	
4	Paving	Paving	6/3/2024	7/31/2024	5	43	
5	Architectural Coating	Architectural Coating	6/3/2024	7/31/2024	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,708; Non-Residential Outdoor: 1,903; Striped Parking Area: 1,530 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	8.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Rollers	1	8.00	80	0.38

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Skid Steer Loaders	3	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38
Paving	Skid Steer Loaders	2	8.00	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	7	18.00	0.00	37.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	12.00	5.00	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	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					0.1764	0.0000	0.1764	0.0267	0.0000	0.0267			0.0000			0.0000
Off-Road	1.1792	10.3009	13.8379	0.0287		0.4577	0.4577		0.4211	0.4211		2,778.6048	2,778.6048	0.8987		2,801.0712
Total	1.1792	10.3009	13.8379	0.0287	0.1764	0.4577	0.6342	0.0267	0.4211	0.4478		2,778.6048	2,778.6048	0.8987		2,801.0712

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7800e-003	0.1073	0.0286	4.8000e-004	0.0144	6.8000e-004	0.0151	3.9500e-003	6.5000e-004	4.5900e-003		52.8409	52.8409	2.9100e-003	8.3900e-003	55.4143
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6523	1.7800e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1200e-003	0.0545		182.2703	182.2703	4.5400e-003	4.1500e-003	183.6218
Total	0.0594	0.1475	0.6809	2.2600e-003	0.2156	1.8900e-003	0.2175	0.0573	1.7700e-003	0.0591		235.1112	235.1112	7.4500e-003	0.0125	239.0360

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0654	0.0000	0.0654	9.9000e-003	0.0000	9.9000e-003			0.0000			0.0000
Off-Road	1.1792	10.3009	13.8379	0.0287		0.4577	0.4577		0.4211	0.4211	0.0000	2,778.6047	2,778.6047	0.8987		2,801.0712
Total	1.1792	10.3009	13.8379	0.0287	0.0654	0.4577	0.5231	9.9000e-003	0.4211	0.4310	0.0000	2,778.6047	2,778.6047	0.8987		2,801.0712

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7800e-003	0.1073	0.0286	4.8000e-004	0.0144	6.8000e-004	0.0151	3.9500e-003	6.5000e-004	4.5900e-003		52.8409	52.8409	2.9100e-003	8.3900e-003	55.4143
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6523	1.7800e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1200e-003	0.0545		182.2703	182.2703	4.5400e-003	4.1500e-003	183.6218
Total	0.0594	0.1475	0.6809	2.2600e-003	0.2156	1.8900e-003	0.2175	0.0573	1.7700e-003	0.0591		235.1112	235.1112	7.4500e-003	0.0125	239.0360

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					6.5529	0.0000	6.5529	3.3676	0.0000	3.3676			0.0000			0.0000
Off-Road	1.1850	12.8670	11.3461	0.0205		0.5731	0.5731		0.5272	0.5272		1,984.1436	1,984.1436	0.6417		2,000.1864
Total	1.1850	12.8670	11.3461	0.0205	6.5529	0.5731	7.1259	3.3676	0.5272	3.8948		1,984.1436	1,984.1436	0.6417		2,000.1864

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2300e-003	0.0741	0.0198	3.3000e-004	9.9500e-003	4.7000e-004	0.0104	2.7300e-003	4.5000e-004	3.1700e-003		36.5148	36.5148	2.0100e-003	5.8000e-003	38.2930
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	0.0493	0.1076	0.5634	1.8100e-003	0.1776	1.4800e-003	0.1791	0.0472	1.3800e-003	0.0486		188.4067	188.4067	5.7900e-003	9.2600e-003	191.3112

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.4278	0.0000	2.4278	1.2477	0.0000	1.2477			0.0000			0.0000
Off-Road	1.1850	12.8670	11.3461	0.0205		0.5731	0.5731		0.5272	0.5272	0.0000	1,984.1436	1,984.1436	0.6417		2,000.1864
Total	1.1850	12.8670	11.3461	0.0205	2.4278	0.5731	3.0009	1.2477	0.5272	1.7749	0.0000	1,984.1436	1,984.1436	0.6417		2,000.1864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2300e-003	0.0741	0.0198	3.3000e-004	9.9500e-003	4.7000e-004	0.0104	2.7300e-003	4.5000e-004	3.1700e-003		36.5148	36.5148	2.0100e-003	5.8000e-003	38.2930
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	0.0493	0.1076	0.5634	1.8100e-003	0.1776	1.4800e-003	0.1791	0.0472	1.3800e-003	0.0486		188.4067	188.4067	5.7900e-003	9.2600e-003	191.3112

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091		296.0617	296.0617	0.0958		298.4555
Total	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.7600e-003	0.1919	0.0744	9.3000e-004	0.0320	9.6000e-004	0.0330	9.2200e-003	9.2000e-004	0.0101		100.1412	100.1412	3.3600e-003	0.0144	104.5156
Worker	0.0384	0.0268	0.4349	1.1900e-003	0.1341	8.1000e-004	0.1349	0.0356	7.5000e-004	0.0363		121.5135	121.5135	3.0300e-003	2.7700e-003	122.4145
Total	0.0442	0.2187	0.5092	2.1200e-003	0.1662	1.7700e-003	0.1679	0.0448	1.6700e-003	0.0465		221.6548	221.6548	6.3900e-003	0.0172	226.9301

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.7600e-003	0.1919	0.0744	9.3000e-004	0.0320	9.6000e-004	0.0330	9.2200e-003	9.2000e-004	0.0101		100.1412	100.1412	3.3600e-003	0.0144	104.5156
Worker	0.0384	0.0268	0.4349	1.1900e-003	0.1341	8.1000e-004	0.1349	0.0356	7.5000e-004	0.0363		121.5135	121.5135	3.0300e-003	2.7700e-003	122.4145
Total	0.0442	0.2187	0.5092	2.1200e-003	0.1662	1.7700e-003	0.1679	0.0448	1.6700e-003	0.0465		221.6548	221.6548	6.3900e-003	0.0172	226.9301

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939		296.0617	296.0617	0.0958		298.4555
Total	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.5800e-003	0.1923	0.0728	9.2000e-004	0.0320	9.7000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		98.6373	98.6373	3.3700e-003	0.0142	102.9520
Worker	0.0358	0.0239	0.4048	1.1500e-003	0.1341	7.8000e-004	0.1349	0.0356	7.1000e-004	0.0363		119.0087	119.0087	2.7400e-003	2.5800e-003	119.8446
Total	0.0414	0.2162	0.4775	2.0700e-003	0.1662	1.7500e-003	0.1679	0.0448	1.6400e-003	0.0464		217.6460	217.6460	6.1100e-003	0.0168	222.7966

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.5800e-003	0.1923	0.0728	9.2000e-004	0.0320	9.7000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		98.6373	98.6373	3.3700e-003	0.0142	102.9520
Worker	0.0358	0.0239	0.4048	1.1500e-003	0.1341	7.8000e-004	0.1349	0.0356	7.1000e-004	0.0363		119.0087	119.0087	2.7400e-003	2.5800e-003	119.8446
Total	0.0414	0.2162	0.4775	2.0700e-003	0.1662	1.7500e-003	0.1679	0.0448	1.6400e-003	0.0464		217.6460	217.6460	6.1100e-003	0.0168	222.7966

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231		655.2802	655.2802	0.2119		660.5785
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231		655.2802	655.2802	0.2119		660.5785

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0239	0.0160	0.2698	7.7000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		79.3391	79.3391	1.8300e-003	1.7200e-003	79.8964
Total	0.0239	0.0160	0.2698	7.7000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		79.3391	79.3391	1.8300e-003	1.7200e-003	79.8964

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231	0.0000	655.2802	655.2802	0.2119		660.5785
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231	0.0000	655.2802	655.2802	0.2119		660.5785

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0239	0.0160	0.2698	7.7000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		79.3391	79.3391	1.8300e-003	1.7200e-003	79.8964
Total	0.0239	0.0160	0.2698	7.7000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		79.3391	79.3391	1.8300e-003	1.7200e-003	79.8964

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.4927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	0.6734	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.9700e-003	3.9900e-003	0.0675	1.9000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		19.8348	19.8348	4.6000e-004	4.3000e-004	19.9741
Total	5.9700e-003	3.9900e-003	0.0675	1.9000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		19.8348	19.8348	4.6000e-004	4.3000e-004	19.9741

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.4927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	0.6734	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.9700e-003	3.9900e-003	0.0675	1.9000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		19.8348	19.8348	4.6000e-004	4.3000e-004	19.9741
Total	5.9700e-003	3.9900e-003	0.0675	1.9000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		19.8348	19.8348	4.6000e-004	4.3000e-004	19.9741

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Non-Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

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	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
NaturalGas Unmitigated	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	107.478	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196

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					
Elementary School	0.107478	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196

6.0 Area Detail

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0905	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Unmitigated	0.0963	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0116					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8000e-004	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Total	0.0963	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.8000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8000e-004	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Total	0.0905	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Franklin Elementary School - Phase 1
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	3.81	1000sqft	0.09	3,805.00	0
Other Non-Asphalt Surfaces	25.50	1000sqft	0.59	25,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 1 includes the construction of a new one-story Maker-Space building and outdoor Maker Yard, Maker Patio, presentation platform, and playfield.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Default.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate ofr 8 hours/day.

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Demolition - Provided by the applicant.

Grading - The project is proposing to export approximately 200 cubic yards of earthwork materials during Phase-1 construction.

Vehicle Trips - No additional operational mobile emissions are expected.

Construction Off-road Equipment Mitigation - The project is expected to comply with SCAQMD Rule 403.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113- Architectural Coating

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

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
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	NumDays	100.00	240.00
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	43.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	3,810.00	3,805.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.4897	15.1313	14.6317	0.0309	6.8966	0.6949	7.5916	3.4596	0.6394	4.0990	0.0000	3,004.162 2	3,004.162 2	0.9062	0.0269	3,030.641 9
2024	0.9759	4.4180	6.7395	0.0107	0.1662	0.1954	0.3071	0.0448	0.1846	0.2143	0.0000	1,030.682 2	1,030.682 2	0.2301	0.0170	1,037.117 5
Maximum	1.4897	15.1313	14.6317	0.0309	6.8966	0.6949	7.5916	3.4596	0.6394	4.0990	0.0000	3,004.162 2	3,004.162 2	0.9062	0.0269	3,030.641 9

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	1.4897	15.1313	14.6317	0.0309	2.7716	0.6949	3.4665	1.3397	0.6394	1.9791	0.0000	3,004.162 2	3,004.162 2	0.9062	0.0269	3,030.641 9
2024	0.9759	4.4180	6.7395	0.0107	0.1662	0.1954	0.3071	0.0448	0.1846	0.2143	0.0000	1,030.682 2	1,030.682 2	0.2301	0.0170	1,037.117 5
Maximum	1.4897	15.1313	14.6317	0.0309	2.7716	0.6949	3.4665	1.3397	0.6394	1.9791	0.0000	3,004.162 2	3,004.162 2	0.9062	0.0269	3,030.641 9

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	58.41	0.00	52.22	60.49	0.00	49.15	0.00	0.00	0.00	0.00	0.00	0.00

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0963	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Energy	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
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	0.0974	0.0106	0.0118	6.0000e-005	0.0000	8.1000e-004	8.1000e-004	0.0000	8.1000e-004	8.1000e-004		12.6509	12.6509	2.6000e-004	2.3000e-004	12.7265

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	0.0905	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Energy	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
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	0.0916	0.0106	0.0118	6.0000e-005	0.0000	8.1000e-004	8.1000e-004	0.0000	8.1000e-004	8.1000e-004		12.6509	12.6509	2.6000e-004	2.3000e-004	12.7265

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.95	0.00	0.00	0.00	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	5/1/2023	6/30/2023	5	45	
2	Grading	Grading	7/3/2023	8/31/2023	5	44	
3	Building Construction	Building Construction	7/3/2023	5/31/2024	5	240	
4	Paving	Paving	6/3/2024	7/31/2024	5	43	
5	Architectural Coating	Architectural Coating	6/3/2024	7/31/2024	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,708; Non-Residential Outdoor: 1,903; Striped Parking Area: 1,530 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	8.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Rollers	1	8.00	80	0.38

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Skid Steer Loaders	3	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38
Paving	Skid Steer Loaders	2	8.00	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	7	18.00	0.00	37.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	12.00	5.00	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	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					0.1764	0.0000	0.1764	0.0267	0.0000	0.0267			0.0000			0.0000
Off-Road	1.1792	10.3009	13.8379	0.0287		0.4577	0.4577		0.4211	0.4211		2,778.6048	2,778.6048	0.8987		2,801.0712
Total	1.1792	10.3009	13.8379	0.0287	0.1764	0.4577	0.6342	0.0267	0.4211	0.4478		2,778.6048	2,778.6048	0.8987		2,801.0712

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6700e-003	0.1120	0.0290	4.8000e-004	0.0144	6.8000e-004	0.0151	3.9500e-003	6.5000e-004	4.6000e-003		52.8966	52.8966	2.9100e-003	8.4000e-003	55.4725
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5996	1.6900e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1200e-003	0.0545		172.6608	172.6608	4.6000e-003	4.4400e-003	174.0982
Total	0.0636	0.1564	0.6286	2.1700e-003	0.2156	1.8900e-003	0.2175	0.0573	1.7700e-003	0.0591		225.5575	225.5575	7.5100e-003	0.0128	229.5707

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0654	0.0000	0.0654	9.9000e-003	0.0000	9.9000e-003			0.0000			0.0000
Off-Road	1.1792	10.3009	13.8379	0.0287		0.4577	0.4577		0.4211	0.4211	0.0000	2,778.6047	2,778.6047	0.8987		2,801.0712
Total	1.1792	10.3009	13.8379	0.0287	0.0654	0.4577	0.5231	9.9000e-003	0.4211	0.4310	0.0000	2,778.6047	2,778.6047	0.8987		2,801.0712

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6700e-003	0.1120	0.0290	4.8000e-004	0.0144	6.8000e-004	0.0151	3.9500e-003	6.5000e-004	4.6000e-003		52.8966	52.8966	2.9100e-003	8.4000e-003	55.4725
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5996	1.6900e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1200e-003	0.0545		172.6608	172.6608	4.6000e-003	4.4400e-003	174.0982
Total	0.0636	0.1564	0.6286	2.1700e-003	0.2156	1.8900e-003	0.2175	0.0573	1.7700e-003	0.0591		225.5575	225.5575	7.5100e-003	0.0128	229.5707

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					6.5529	0.0000	6.5529	3.3676	0.0000	3.3676			0.0000			0.0000
Off-Road	1.1850	12.8670	11.3461	0.0205		0.5731	0.5731		0.5272	0.5272		1,984.1436	1,984.1436	0.6417		2,000.1864
Total	1.1850	12.8670	11.3461	0.0205	6.5529	0.5731	7.1259	3.3676	0.5272	3.8948		1,984.1436	1,984.1436	0.6417		2,000.1864

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1500e-003	0.0774	0.0201	3.3000e-004	9.9500e-003	4.7000e-004	0.0104	2.7300e-003	4.5000e-004	3.1800e-003		36.5533	36.5533	2.0100e-003	5.8000e-003	38.3333
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	0.0528	0.1144	0.5197	1.7400e-003	0.1776	1.4800e-003	0.1791	0.0472	1.3800e-003	0.0486		180.4373	180.4373	5.8400e-003	9.5000e-003	183.4151

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.4278	0.0000	2.4278	1.2477	0.0000	1.2477			0.0000			0.0000
Off-Road	1.1850	12.8670	11.3461	0.0205		0.5731	0.5731		0.5272	0.5272	0.0000	1,984.1436	1,984.1436	0.6417		2,000.1864
Total	1.1850	12.8670	11.3461	0.0205	2.4278	0.5731	3.0009	1.2477	0.5272	1.7749	0.0000	1,984.1436	1,984.1436	0.6417		2,000.1864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1500e-003	0.0774	0.0201	3.3000e-004	9.9500e-003	4.7000e-004	0.0104	2.7300e-003	4.5000e-004	3.1800e-003		36.5533	36.5533	2.0100e-003	5.8000e-003	38.3333
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	0.0528	0.1144	0.5197	1.7400e-003	0.1776	1.4800e-003	0.1791	0.0472	1.3800e-003	0.0486		180.4373	180.4373	5.8400e-003	9.5000e-003	183.4151

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091		296.0617	296.0617	0.0958		298.4555
Total	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.5600e-003	0.2009	0.0767	9.3000e-004	0.0320	9.7000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		100.3102	100.3102	3.3400e-003	0.0144	104.6956
Worker	0.0413	0.0296	0.3997	1.1200e-003	0.1341	8.1000e-004	0.1349	0.0356	7.5000e-004	0.0363		115.1072	115.1072	3.0700e-003	2.9600e-003	116.0655
Total	0.0469	0.2305	0.4764	2.0500e-003	0.1662	1.7800e-003	0.1679	0.0448	1.6800e-003	0.0465		215.4174	215.4174	6.4100e-003	0.0174	220.7610

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.2051	1.9194	2.2896	3.0600e-003		0.1186	0.1186		0.1091	0.1091	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.5600e-003	0.2009	0.0767	9.3000e-004	0.0320	9.7000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		100.3102	100.3102	3.3400e-003	0.0144	104.6956
Worker	0.0413	0.0296	0.3997	1.1200e-003	0.1341	8.1000e-004	0.1349	0.0356	7.5000e-004	0.0363		115.1072	115.1072	3.0700e-003	2.9600e-003	116.0655
Total	0.0469	0.2305	0.4764	2.0500e-003	0.1662	1.7800e-003	0.1679	0.0448	1.6800e-003	0.0465		215.4174	215.4174	6.4100e-003	0.0174	220.7610

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939		296.0617	296.0617	0.0958		298.4555
Total	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.3700e-003	0.2014	0.0751	9.2000e-004	0.0320	9.8000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		98.8072	98.8072	3.3500e-003	0.0142	103.1326
Worker	0.0386	0.0264	0.3724	1.0900e-003	0.1341	7.8000e-004	0.1349	0.0356	7.1000e-004	0.0363		112.7448	112.7448	2.7800e-003	2.7500e-003	113.6338
Total	0.0440	0.2278	0.4475	2.0100e-003	0.1662	1.7600e-003	0.1679	0.0448	1.6400e-003	0.0465		211.5520	211.5520	6.1300e-003	0.0170	216.7664

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1884	1.7671	2.2786	3.0600e-003		0.1021	0.1021		0.0939	0.0939	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	5.3700e-003	0.2014	0.0751	9.2000e-004	0.0320	9.8000e-004	0.0330	9.2200e-003	9.3000e-004	0.0102		98.8072	98.8072	3.3500e-003	0.0142	103.1326
Worker	0.0386	0.0264	0.3724	1.0900e-003	0.1341	7.8000e-004	0.1349	0.0356	7.1000e-004	0.0363		112.7448	112.7448	2.7800e-003	2.7500e-003	113.6338
Total	0.0440	0.2278	0.4475	2.0100e-003	0.1662	1.7600e-003	0.1679	0.0448	1.6400e-003	0.0465		211.5520	211.5520	6.1300e-003	0.0170	216.7664

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231		655.2802	655.2802	0.2119		660.5785
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231		655.2802	655.2802	0.2119		660.5785

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0257	0.0176	0.2483	7.3000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		75.1632	75.1632	1.8500e-003	1.8300e-003	75.7559
Total	0.0257	0.0176	0.2483	7.3000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		75.1632	75.1632	1.8500e-003	1.8300e-003	75.7559

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231	0.0000	655.2802	655.2802	0.2119		660.5785
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2703	3.1772	4.6191	6.7700e-003		0.1338	0.1338		0.1231	0.1231	0.0000	655.2802	655.2802	0.2119		660.5785

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0257	0.0176	0.2483	7.3000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		75.1632	75.1632	1.8500e-003	1.8300e-003	75.7559
Total	0.0257	0.0176	0.2483	7.3000e-004	0.0894	5.2000e-004	0.0899	0.0237	4.8000e-004	0.0242		75.1632	75.1632	1.8500e-003	1.8300e-003	75.7559

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.4927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	0.6734	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	6.4300e-003	4.4000e-003	0.0621	1.8000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		18.7908	18.7908	4.6000e-004	4.6000e-004	18.9390
Total	6.4300e-003	4.4000e-003	0.0621	1.8000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		18.7908	18.7908	4.6000e-004	4.6000e-004	18.9390

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.4927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	0.6734	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	6.4300e-003	4.4000e-003	0.0621	1.8000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		18.7908	18.7908	4.6000e-004	4.6000e-004	18.9390
Total	6.4300e-003	4.4000e-003	0.0621	1.8000e-004	0.0224	1.3000e-004	0.0225	5.9300e-003	1.2000e-004	6.0500e-003		18.7908	18.7908	4.6000e-004	4.6000e-004	18.9390

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Non-Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

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	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
NaturalGas Unmitigated	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	107.478	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196

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					
Elementary School	0.107478	1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.1600e-003	0.0105	8.8500e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6445	12.6445	2.4000e-004	2.3000e-004	12.7196

6.0 Area Detail

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0905	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Unmitigated	0.0963	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0116					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8000e-004	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Total	0.0963	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.8000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8000e-004	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003
Total	0.0905	3.0000e-005	2.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.4100e-003	6.4100e-003	2.0000e-005		6.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Franklin Elementary School - Phase 1 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Frankline Elementary School - Phase-2
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	8.40	1000sqft	0.19	8,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The project is proposing the construction of the southern portion of the new two-story building of approximately 8,400 square feet.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to import approximately 1,500 cubic yards of earthwork materials during Phase-2 construction.

Demolition - Information provided by the applicant.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation -

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
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	NumDays	100.00	305.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	2.00	23.00
tblConstructionPhase	NumDays	5.00	45.00
tblConstructionPhase	PhaseEndDate	11/19/2025	11/30/2026
tblConstructionPhase	PhaseEndDate	11/5/2025	8/31/2026
tblConstructionPhase	PhaseEndDate	6/13/2025	7/31/2025
tblConstructionPhase	PhaseEndDate	6/18/2025	7/31/2025
tblConstructionPhase	PhaseEndDate	11/12/2025	7/31/2026
tblConstructionPhase	PhaseStartDate	11/13/2025	11/1/2026
tblConstructionPhase	PhaseStartDate	6/19/2025	7/1/2025

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	6/17/2025	7/1/2025
tblConstructionPhase	PhaseStartDate	11/6/2025	6/1/2026
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	188.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.0427	0.3758	0.5742	1.1100e-003	0.0128	0.0160	0.0288	3.2200e-003	0.0147	0.0179	0.0000	99.1122	99.1122	0.0281	1.2400e-003	100.1858
2026	0.0464	0.2613	0.3991	6.1000e-004	7.6600e-003	0.0119	0.0196	2.0500e-003	0.0110	0.0131	0.0000	54.1826	54.1826	0.0148	3.4000e-004	54.6516
Maximum	0.0464	0.3758	0.5742	1.1100e-003	0.0128	0.0160	0.0288	3.2200e-003	0.0147	0.0179	0.0000	99.1122	99.1122	0.0281	1.2400e-003	100.1858

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	0.0427	0.3758	0.5742	1.1100e-003	0.0117	0.0160	0.0277	3.0600e-003	0.0147	0.0178	0.0000	99.1121	99.1121	0.0281	1.2400e-003	100.1857
2026	0.0464	0.2613	0.3991	6.1000e-004	7.6600e-003	0.0119	0.0196	2.0500e-003	0.0110	0.0131	0.0000	54.1826	54.1826	0.0148	3.4000e-004	54.6515
Maximum	0.0464	0.3758	0.5742	1.1100e-003	0.0117	0.0160	0.0277	3.0600e-003	0.0147	0.0178	0.0000	99.1121	99.1121	0.0281	1.2400e-003	100.1857

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	5.43	0.00	2.29	3.04	0.00	0.55	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	6-1-2025	8-31-2025	0.3306	0.3306
2	9-1-2025	11-30-2025	0.0608	0.0608
3	12-1-2025	2-28-2026	0.0601	0.0601
4	3-1-2026	5-31-2026	0.0614	0.0614
5	6-1-2026	8-31-2026	0.1704	0.1704
		Highest	0.3306	0.3306

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	0.0343	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Energy	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	13.1724	13.1724	8.1000e-004	1.7000e-004	13.2440
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	2.2167	0.0000	2.2167	0.1310	0.0000	5.4917
Water						0.0000	0.0000		0.0000	0.0000	0.0773	1.7965	1.8738	8.0900e-003	2.1000e-004	2.1374
Total	0.0347	4.2500e-003	3.6800e-003	3.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.2000e-004	3.2000e-004	2.2939	14.9692	17.2631	0.1399	3.8000e-004	20.8732

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

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	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Energy	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	13.1724	13.1724	8.1000e-004	1.7000e-004	13.2440
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.5542	0.0000	0.5542	0.0328	0.0000	1.3729
Water						0.0000	0.0000		0.0000	0.0000	0.0618	1.6840	1.7459	6.4900e-003	1.7000e-004	1.9580
Total	0.0328	4.2500e-003	3.6800e-003	3.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.2000e-004	3.2000e-004	0.6160	14.8567	15.4727	0.0401	3.4000e-004	16.5751

	ROG	NOx	CO	SO2	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	5.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.15	0.75	10.37	71.37	10.53	20.59

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	6/1/2025	7/31/2025	5	44	
2	Grading	Grading	7/1/2025	7/31/2025	5	23	
3	Building Construction	Building Construction	7/1/2025	8/31/2026	5	305	

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4	Paving	Paving	6/1/2026	7/31/2026	5	45
5	Architectural Coating	Architectural Coating	11/1/2026	11/30/2026	5	21

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: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Excavators	1	8.00	158	0.38
Grading	Skid Steer Loaders	3	8.00	65	0.37
Grading	Rollers	1	8.00	80	0.38

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	7	18.00	0.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	188.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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Building Construction	2	4.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	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

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

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					1.7500e-003	0.0000	1.7500e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.1905	0.3019	6.3000e-004		7.7700e-003	7.7700e-003		7.1400e-003	7.1400e-003	0.0000	55.6154	55.6154	0.0180	0.0000	56.0650
Total	0.0236	0.1905	0.3019	6.3000e-004	1.7500e-003	7.7700e-003	9.5200e-003	2.7000e-004	7.1400e-003	7.4100e-003	0.0000	55.6154	55.6154	0.0180	0.0000	56.0650

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.1000e-003	2.9000e-004	0.0000	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4518	0.4518	3.0000e-005	7.0000e-005	0.4739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	8.0000e-004	0.0118	4.0000e-005	4.3400e-003	2.0000e-005	4.3600e-003	1.1500e-003	2.0000e-005	1.1800e-003	0.0000	3.3420	3.3420	8.0000e-005	8.0000e-005	3.3671
Total	1.1200e-003	1.9000e-003	0.0120	4.0000e-005	4.4800e-003	3.0000e-005	4.5000e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.7938	3.7938	1.1000e-004	1.5000e-004	3.8410

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.5000e-004	0.0000	6.5000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0236	0.1905	0.3019	6.3000e-004		7.7700e-003	7.7700e-003		7.1400e-003	7.1400e-003	0.0000	55.6153	55.6153	0.0180	0.0000	56.0650
Total	0.0236	0.1905	0.3019	6.3000e-004	6.5000e-004	7.7700e-003	8.4200e-003	1.0000e-004	7.1400e-003	7.2400e-003	0.0000	55.6153	55.6153	0.0180	0.0000	56.0650

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3.2 Demolition - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.1000e-003	2.9000e-004	0.0000	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4518	0.4518	3.0000e-005	7.0000e-005	0.4739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	8.0000e-004	0.0118	4.0000e-005	4.3400e-003	2.0000e-005	4.3600e-003	1.1500e-003	2.0000e-005	1.1800e-003	0.0000	3.3420	3.3420	8.0000e-005	8.0000e-005	3.3671
Total	1.1200e-003	1.9000e-003	0.0120	4.0000e-005	4.4800e-003	3.0000e-005	4.5000e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.7938	3.7938	1.1000e-004	1.5000e-004	3.8410

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1100e-003	0.0590	0.0940	1.4000e-004		2.2700e-003	2.2700e-003		2.0900e-003	2.0900e-003	0.0000	12.0173	12.0173	3.8900e-003	0.0000	12.1145
Total	5.1100e-003	0.0590	0.0940	1.4000e-004	0.0000	2.2700e-003	2.2700e-003	0.0000	2.0900e-003	2.0900e-003	0.0000	12.0173	12.0173	3.8900e-003	0.0000	12.1145

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3.3 Grading - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-004	0.0129	3.3900e-003	5.0000e-005	1.6200e-003	8.0000e-005	1.7000e-003	4.4000e-004	7.0000e-005	5.2000e-004	0.0000	5.3089	5.3089	3.1000e-004	8.4000e-004	5.5680
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.0000e-004	4.4400e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2617	1.2617	3.0000e-005	3.0000e-005	1.2712
Total	6.1000e-004	0.0132	7.8300e-003	6.0000e-005	3.2600e-003	9.0000e-005	3.3500e-003	8.8000e-004	8.0000e-005	9.6000e-004	0.0000	6.5706	6.5706	3.4000e-004	8.7000e-004	6.8392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1100e-003	0.0590	0.0940	1.4000e-004		2.2700e-003	2.2700e-003		2.0900e-003	2.0900e-003	0.0000	12.0173	12.0173	3.8900e-003	0.0000	12.1144
Total	5.1100e-003	0.0590	0.0940	1.4000e-004	0.0000	2.2700e-003	2.2700e-003	0.0000	2.0900e-003	2.0900e-003	0.0000	12.0173	12.0173	3.8900e-003	0.0000	12.1144

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-004	0.0129	3.3900e-003	5.0000e-005	1.6200e-003	8.0000e-005	1.7000e-003	4.4000e-004	7.0000e-005	5.2000e-004	0.0000	5.3089	5.3089	3.1000e-004	8.4000e-004	5.5680
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.0000e-004	4.4400e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2617	1.2617	3.0000e-005	3.0000e-005	1.2712
Total	6.1000e-004	0.0132	7.8300e-003	6.0000e-005	3.2600e-003	9.0000e-005	3.3500e-003	8.8000e-004	8.0000e-005	9.6000e-004	0.0000	6.5706	6.5706	3.4000e-004	8.7000e-004	6.8392

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	0.0115	0.1081	0.1497	2.0000e-004		5.7800e-003	5.7800e-003		5.3200e-003	5.3200e-003	0.0000	17.7265	17.7265	5.7300e-003	0.0000	17.8698
Total	0.0115	0.1081	0.1497	2.0000e-004		5.7800e-003	5.7800e-003		5.3200e-003	5.3200e-003	0.0000	17.7265	17.7265	5.7300e-003	0.0000	17.8698

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3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6500e-003	9.6000e-004	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.1608	1.1608	4.0000e-005	1.7000e-004	1.2116
Worker	7.3000e-004	5.3000e-004	7.8300e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	1.0000e-005	7.8000e-004	0.0000	2.2280	2.2280	5.0000e-005	5.0000e-005	2.2448
Total	8.0000e-004	3.1800e-003	8.7900e-003	3.0000e-005	3.3100e-003	3.0000e-005	3.3400e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	3.3888	3.3888	9.0000e-005	2.2000e-004	3.4564

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0115	0.1081	0.1497	2.0000e-004		5.7800e-003	5.7800e-003		5.3200e-003	5.3200e-003	0.0000	17.7264	17.7264	5.7300e-003	0.0000	17.8698
Total	0.0115	0.1081	0.1497	2.0000e-004		5.7800e-003	5.7800e-003		5.3200e-003	5.3200e-003	0.0000	17.7264	17.7264	5.7300e-003	0.0000	17.8698

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3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6500e-003	9.6000e-004	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.1608	1.1608	4.0000e-005	1.7000e-004	1.2116
Worker	7.3000e-004	5.3000e-004	7.8300e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	1.0000e-005	7.8000e-004	0.0000	2.2280	2.2280	5.0000e-005	5.0000e-005	2.2448
Total	8.0000e-004	3.1800e-003	8.7900e-003	3.0000e-005	3.3100e-003	3.0000e-005	3.3400e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	3.3888	3.3888	9.0000e-005	2.2000e-004	3.4564

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0150	0.1416	0.1961	2.6000e-004		7.5800e-003	7.5800e-003		6.9700e-003	6.9700e-003	0.0000	23.2324	23.2324	7.5100e-003	0.0000	23.4202
Total	0.0150	0.1416	0.1961	2.6000e-004		7.5800e-003	7.5800e-003		6.9700e-003	6.9700e-003	0.0000	23.2324	23.2324	7.5100e-003	0.0000	23.4202

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3.4 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	3.4500e-003	1.2400e-003	2.0000e-005	5.5000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.7000e-004	0.0000	1.4931	1.4931	5.0000e-005	2.2000e-004	1.5586
Worker	9.0000e-004	6.3000e-004	9.6500e-003	3.0000e-005	3.7900e-003	2.0000e-005	3.8100e-003	1.0100e-003	2.0000e-005	1.0300e-003	0.0000	2.8545	2.8545	6.0000e-005	6.0000e-005	2.8751
Total	9.9000e-004	4.0800e-003	0.0109	5.0000e-005	4.3400e-003	4.0000e-005	4.3700e-003	1.1700e-003	4.0000e-005	1.2000e-003	0.0000	4.3475	4.3475	1.1000e-004	2.8000e-004	4.4337

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0150	0.1416	0.1961	2.6000e-004		7.5800e-003	7.5800e-003		6.9700e-003	6.9700e-003	0.0000	23.2324	23.2324	7.5100e-003	0.0000	23.4202
Total	0.0150	0.1416	0.1961	2.6000e-004		7.5800e-003	7.5800e-003		6.9700e-003	6.9700e-003	0.0000	23.2324	23.2324	7.5100e-003	0.0000	23.4202

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3.4 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	3.4500e-003	1.2400e-003	2.0000e-005	5.5000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.7000e-004	0.0000	1.4931	1.4931	5.0000e-005	2.2000e-004	1.5586
Worker	9.0000e-004	6.3000e-004	9.6500e-003	3.0000e-005	3.7900e-003	2.0000e-005	3.8100e-003	1.0100e-003	2.0000e-005	1.0300e-003	0.0000	2.8545	2.8545	6.0000e-005	6.0000e-005	2.8751
Total	9.9000e-004	4.0800e-003	0.0109	5.0000e-005	4.3400e-003	4.0000e-005	4.3700e-003	1.1700e-003	4.0000e-005	1.2000e-003	0.0000	4.3475	4.3475	1.1000e-004	2.8000e-004	4.4337

3.5 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	8.3600e-003	0.1031	0.1647	2.4000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	21.4221	21.4221	6.9300e-003	0.0000	21.5953
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.3600e-003	0.1031	0.1647	2.4000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	21.4221	21.4221	6.9300e-003	0.0000	21.5953

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3.5 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.4000e-004	8.1600e-003	3.0000e-005	3.2100e-003	2.0000e-005	3.2200e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.4131	2.4131	5.0000e-005	5.0000e-005	2.4305
Total	7.6000e-004	5.4000e-004	8.1600e-003	3.0000e-005	3.2100e-003	2.0000e-005	3.2200e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.4131	2.4131	5.0000e-005	5.0000e-005	2.4305

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.3600e-003	0.1031	0.1647	2.4000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	21.4220	21.4220	6.9300e-003	0.0000	21.5953
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.3600e-003	0.1031	0.1647	2.4000e-004		3.7700e-003	3.7700e-003		3.4700e-003	3.4700e-003	0.0000	21.4220	21.4220	6.9300e-003	0.0000	21.5953

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3.5 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.4000e-004	8.1600e-003	3.0000e-005	3.2100e-003	2.0000e-005	3.2200e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.4131	2.4131	5.0000e-005	5.0000e-005	2.4305
Total	7.6000e-004	5.4000e-004	8.1600e-003	3.0000e-005	3.2100e-003	2.0000e-005	3.2200e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.4131	2.4131	5.0000e-005	5.0000e-005	2.4305

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	0.0195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7900e-003	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846
Total	0.0213	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846

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3.6 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0866	0.0866	0.0000	0.0000	0.0873
Total	3.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0866	0.0866	0.0000	0.0000	0.0873

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7900e-003	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846
Total	0.0213	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846

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3.6 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.9000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0866	0.0866	0.0000	0.0000	0.0873	0.0873
Total	3.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0866	0.0866	0.0000	0.0000	0.0873	0.0873

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.5509	8.5509	7.2000e-004	9.0000e-005	8.5950
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.5509	8.5509	7.2000e-004	9.0000e-005	8.5950
NaturalGas Mitigated	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490
NaturalGas Unmitigated	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490

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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	tons/yr										MT/yr					
Elementary School	86604	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490
Total		4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490

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					
Elementary School	86604	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490
Total		4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	48216	8.5509	7.2000e-004	9.0000e-005	8.5950
Total		8.5509	7.2000e-004	9.0000e-005	8.5950

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	48216	8.5509	7.2000e-004	9.0000e-005	8.5950
Total		8.5509	7.2000e-004	9.0000e-005	8.5950

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

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Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Unmitigated	0.0343	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-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	3.8900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0304					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	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Total	0.0343	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0304					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	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Total	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.7459	6.4900e-003	1.7000e-004	1.9580
Unmitigated	1.8738	8.0900e-003	2.1000e-004	2.1374

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.243574 / 0.626333	1.8738	8.0900e-003	2.1000e-004	2.1374
Total		1.8738	8.0900e-003	2.1000e-004	2.1374

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.194859 / 0.626333	1.7459	6.4900e-003	1.7000e-004	1.9580
Total		1.7459	6.4900e-003	1.7000e-004	1.9580

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.5542	0.0328	0.0000	1.3729
Unmitigated	2.2167	0.1310	0.0000	5.4917

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	10.92	2.2167	0.1310	0.0000	5.4917
Total		2.2167	0.1310	0.0000	5.4917

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	2.73	0.5542	0.0328	0.0000	1.3729
Total		0.5542	0.0328	0.0000	1.3729

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Frankline Elementary School - Phase-2
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	8.40	1000sqft	0.19	8,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The project is proposing the construction of the southern portion of the new two-story building of approximately 8,400 square feet.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to import approximately 1,500 cubic yards of earthwork materials during Phase-2 construction.

Demolition - Information provided by the applicant.

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation -

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
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	NumDays	100.00	305.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	2.00	23.00
tblConstructionPhase	NumDays	5.00	45.00
tblConstructionPhase	PhaseEndDate	11/19/2025	11/30/2026
tblConstructionPhase	PhaseEndDate	11/5/2025	8/31/2026
tblConstructionPhase	PhaseEndDate	6/13/2025	7/31/2025
tblConstructionPhase	PhaseEndDate	6/18/2025	7/31/2025
tblConstructionPhase	PhaseEndDate	11/12/2025	7/31/2026
tblConstructionPhase	PhaseStartDate	11/13/2025	11/1/2026
tblConstructionPhase	PhaseStartDate	6/19/2025	7/1/2025

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	6/17/2025	7/1/2025
tblConstructionPhase	PhaseStartDate	11/6/2025	6/1/2026
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	188.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.8076	16.6352	25.5864	0.0520	0.6268	0.6476	1.2745	0.1587	0.5961	0.7547	0.0000	5,123.825 4	5,123.825 4	1.4083	0.0943	5,187.115 8
2026	2.0275	6.2830	10.1015	0.0156	0.1964	0.2562	0.4527	0.0522	0.2358	0.2880	0.0000	1,525.343 7	1,525.343 7	0.4390	5.9600e-003	1,538.093 3
Maximum	2.0275	16.6352	25.5864	0.0520	0.6268	0.6476	1.2745	0.1587	0.5961	0.7547	0.0000	5,123.825 4	5,123.825 4	1.4083	0.0943	5,187.115 8

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	1.8076	16.6352	25.5864	0.0520	0.5766	0.6476	1.2243	0.1511	0.5961	0.7471	0.0000	5,123.825 4	5,123.825 4	1.4083	0.0943	5,187.115 8
2026	2.0275	6.2830	10.1015	0.0156	0.1964	0.2562	0.4527	0.0522	0.2358	0.2880	0.0000	1,525.343 7	1,525.343 7	0.4390	5.9600e-003	1,538.093 3
Maximum	2.0275	16.6352	25.5864	0.0520	0.5766	0.6476	1.2243	0.1511	0.5961	0.7471	0.0000	5,123.825 4	5,123.825 4	1.4083	0.0943	5,187.115 8

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	6.10	0.00	2.91	3.61	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1877	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1903	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

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	0.1771	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1796	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.60	0.00	0.00	0.00	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	6/1/2025	7/31/2025	5	44	
2	Grading	Grading	7/1/2025	7/31/2025	5	23	
3	Building Construction	Building Construction	7/1/2025	8/31/2026	5	305	
4	Paving	Paving	6/1/2026	7/31/2026	5	45	
5	Architectural Coating	Architectural Coating	11/1/2026	11/30/2026	5	21	

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: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Excavators	1	8.00	158	0.38
Grading	Skid Steer Loaders	3	8.00	65	0.37
Grading	Rollers	1	8.00	80	0.38

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	7	18.00	0.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	188.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	4.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	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

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					0.0798	0.0000	0.0798	0.0121	0.0000	0.0121			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247		2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.0798	0.3530	0.4327	0.0121	0.3247	0.3368		2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.8000e-004	0.0473	0.0131	2.1000e-004	6.3700e-003	3.0000e-004	6.6700e-003	1.7500e-003	2.9000e-004	2.0300e-003		22.6282	22.6282	1.3200e-003	3.6000e-003	23.7327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0323	0.5658	1.6700e-003	0.2012	1.1100e-003	0.2023	0.0534	1.0200e-003	0.0544		174.1451	174.1451	3.7000e-003	3.6100e-003	175.3129
Total	0.0510	0.0795	0.5789	1.8800e-003	0.2076	1.4100e-003	0.2090	0.0551	1.3100e-003	0.0564		196.7732	196.7732	5.0200e-003	7.2100e-003	199.0456

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0296	0.0000	0.0296	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.0296	0.3530	0.3825	4.4700e-003	0.3247	0.3292	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.8000e-004	0.0473	0.0131	2.1000e-004	6.3700e-003	3.0000e-004	6.6700e-003	1.7500e-003	2.9000e-004	2.0300e-003		22.6282	22.6282	1.3200e-003	3.6000e-003	23.7327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0323	0.5658	1.6700e-003	0.2012	1.1100e-003	0.2023	0.0534	1.0200e-003	0.0544		174.1451	174.1451	3.7000e-003	3.6100e-003	175.3129
Total	0.0510	0.0795	0.5789	1.8800e-003	0.2076	1.4100e-003	0.2090	0.0551	1.3100e-003	0.0564		196.7732	196.7732	5.0200e-003	7.2100e-003	199.0456

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4445	5.1265	8.1739	0.0119		0.1976	0.1976		0.1818	0.1818		1,151.895 2	1,151.895 2	0.3726		1,161.208 9
Total	0.4445	5.1265	8.1739	0.0119	0.0000	0.1976	0.1976	0.0000	0.1818	0.1818		1,151.895 2	1,151.895 2	0.3726		1,161.208 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0175	1.0626	0.2936	4.6200e-003	0.1431	6.7900e-003	0.1499	0.0392	6.5000e-003	0.0457		508.6416	508.6416	0.0296	0.0808	533.4695
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0233	0.4087	1.2100e-003	0.1453	8.0000e-004	0.1461	0.0385	7.4000e-004	0.0393		125.7714	125.7714	2.6700e-003	2.6100e-003	126.6149
Total	0.0537	1.0859	0.7023	5.8300e-003	0.2884	7.5900e-003	0.2960	0.0778	7.2400e-003	0.0850		634.4130	634.4130	0.0322	0.0835	660.0844

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4445	5.1265	8.1739	0.0119		0.1976	0.1976		0.1818	0.1818	0.0000	1,151.895 2	1,151.895 2	0.3726		1,161.208 9
Total	0.4445	5.1265	8.1739	0.0119	0.0000	0.1976	0.1976	0.0000	0.1818	0.1818	0.0000	1,151.895 2	1,151.895 2	0.3726		1,161.208 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0175	1.0626	0.2936	4.6200e-003	0.1431	6.7900e-003	0.1499	0.0392	6.5000e-003	0.0457		508.6416	508.6416	0.0296	0.0808	533.4695
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0233	0.4087	1.2100e-003	0.1453	8.0000e-004	0.1461	0.0385	7.4000e-004	0.0393		125.7714	125.7714	2.6700e-003	2.6100e-003	126.6149
Total	0.0537	1.0859	0.7023	5.8300e-003	0.2884	7.5900e-003	0.2960	0.0778	7.2400e-003	0.0850		634.4130	634.4130	0.0322	0.0835	660.0844

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0800e-003	0.0383	0.0143	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.3723	19.3723	6.8000e-004	2.7900e-003	20.2207
Worker	0.0112	7.1700e-003	0.1257	3.7000e-004	0.0447	2.5000e-004	0.0450	0.0119	2.3000e-004	0.0121		38.6989	38.6989	8.2000e-004	8.0000e-004	38.9584
Total	0.0123	0.0455	0.1400	5.5000e-004	0.0511	4.4000e-004	0.0516	0.0137	4.2000e-004	0.0141		58.0712	58.0712	1.5000e-003	3.5900e-003	59.1791

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0800e-003	0.0383	0.0143	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.3723	19.3723	6.8000e-004	2.7900e-003	20.2207
Worker	0.0112	7.1700e-003	0.1257	3.7000e-004	0.0447	2.5000e-004	0.0450	0.0119	2.3000e-004	0.0121		38.6989	38.6989	8.2000e-004	8.0000e-004	38.9584
Total	0.0123	0.0455	0.1400	5.5000e-004	0.0511	4.4000e-004	0.0516	0.0137	4.2000e-004	0.0141		58.0712	58.0712	1.5000e-003	3.5900e-003	59.1791

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0600e-003	0.0380	0.0141	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.0127	19.0127	6.8000e-004	2.7400e-003	19.8463
Worker	0.0105	6.5100e-003	0.1181	3.6000e-004	0.0447	2.3000e-004	0.0449	0.0119	2.2000e-004	0.0121		37.8277	37.8277	7.5000e-004	7.6000e-004	38.0716
Total	0.0116	0.0445	0.1322	5.4000e-004	0.0511	4.2000e-004	0.0515	0.0137	4.1000e-004	0.0141		56.8404	56.8404	1.4300e-003	3.5000e-003	57.9179

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0600e-003	0.0380	0.0141	1.8000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.0127	19.0127	6.8000e-004	2.7400e-003	19.8463
Worker	0.0105	6.5100e-003	0.1181	3.6000e-004	0.0447	2.3000e-004	0.0449	0.0119	2.2000e-004	0.0121		37.8277	37.8277	7.5000e-004	7.6000e-004	38.0716
Total	0.0116	0.0445	0.1322	5.4000e-004	0.0511	4.2000e-004	0.0515	0.0137	4.1000e-004	0.0141		56.8404	56.8404	1.4300e-003	3.5000e-003	57.9179

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0211	0.3839	1.1700e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		122.9400	122.9400	2.4300e-003	2.4600e-003	123.7326
Total	0.0341	0.0211	0.3839	1.1700e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		122.9400	122.9400	2.4300e-003	2.4600e-003	123.7326

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0211	0.3839	1.1700e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		122.9400	122.9400	2.4300e-003	2.4600e-003	123.7326
Total	0.0341	0.0211	0.3839	1.1700e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		122.9400	122.9400	2.4300e-003	2.4600e-003	123.7326

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.8540					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	2.0249	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	1.6300e-003	0.0295	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.4569	9.4569	1.9000e-004	1.9000e-004	9.5179
Total	2.6300e-003	1.6300e-003	0.0295	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.4569	9.4569	1.9000e-004	1.9000e-004	9.5179

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.8540					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	2.0249	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	1.6300e-003	0.0295	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.4569	9.4569	1.9000e-004	1.9000e-004	9.5179
Total	2.6300e-003	1.6300e-003	0.0295	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.4569	9.4569	1.9000e-004	1.9000e-004	9.5179

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
NaturalGas Unmitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

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					
Elementary School	237.271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.237271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1771	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Unmitigated	0.1877	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-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	0.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1877	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1771	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Frankline Elementary School - Phase-2
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	8.40	1000sqft	0.19	8,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The project is proposing the construction of the southern portion of the new two-story building of approximately 8,400 square feet.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to import approximately 1,500 cubic yards of earthwork materials during Phase-2 construction.

Demolition - Information provided by the applicant.

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation -

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
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	NumDays	100.00	305.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	2.00	23.00
tblConstructionPhase	NumDays	5.00	45.00
tblConstructionPhase	PhaseEndDate	11/19/2025	11/30/2026
tblConstructionPhase	PhaseEndDate	11/5/2025	8/31/2026
tblConstructionPhase	PhaseEndDate	6/13/2025	7/31/2025
tblConstructionPhase	PhaseEndDate	6/18/2025	7/31/2025
tblConstructionPhase	PhaseEndDate	11/12/2025	7/31/2026
tblConstructionPhase	PhaseStartDate	11/13/2025	11/1/2026
tblConstructionPhase	PhaseStartDate	6/19/2025	7/1/2025

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	6/17/2025	7/1/2025
tblConstructionPhase	PhaseStartDate	11/6/2025	6/1/2026
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	188.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.8143	16.6926	25.5036	0.0518	0.6268	0.6476	1.2745	0.1587	0.5961	0.7548	0.0000	5,106.6500	5,106.6500	1.4084	0.0948	5,170.1127
2026	2.0277	6.2876	10.0624	0.0155	0.1964	0.2562	0.4527	0.0522	0.2358	0.2880	0.0000	1,516.9475	1,516.9475	0.4391	6.1800e-003	1,529.7648
Maximum	2.0277	16.6926	25.5036	0.0518	0.6268	0.6476	1.2745	0.1587	0.5961	0.7548	0.0000	5,106.6500	5,106.6500	1.4084	0.0948	5,170.1127

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	1.8143	16.6926	25.5036	0.0518	0.5766	0.6476	1.2243	0.1511	0.5961	0.7472	0.0000	5,106.6500	5,106.6500	1.4084	0.0948	5,170.1127
2026	2.0277	6.2876	10.0624	0.0155	0.1964	0.2562	0.4527	0.0522	0.2358	0.2880	0.0000	1,516.9475	1,516.9475	0.4391	6.1800e-003	1,529.7648
Maximum	2.0277	16.6926	25.5036	0.0518	0.5766	0.6476	1.2243	0.1511	0.5961	0.7472	0.0000	5,106.6500	5,106.6500	1.4084	0.0948	5,170.1127

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	6.10	0.00	2.91	3.61	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1877	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1903	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

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	0.1771	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1796	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.60	0.00	0.00	0.00	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	6/1/2025	7/31/2025	5	44	
2	Grading	Grading	7/1/2025	7/31/2025	5	23	
3	Building Construction	Building Construction	7/1/2025	8/31/2026	5	305	
4	Paving	Paving	6/1/2026	7/31/2026	5	45	
5	Architectural Coating	Architectural Coating	11/1/2026	11/30/2026	5	21	

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: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Excavators	1	8.00	158	0.38
Grading	Skid Steer Loaders	3	8.00	65	0.37
Grading	Rollers	1	8.00	80	0.38

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	7	18.00	0.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	188.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	4.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	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

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					0.0798	0.0000	0.0798	0.0121	0.0000	0.0121			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247		2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.0798	0.3530	0.4327	0.0121	0.3247	0.3368		2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.3000e-004	0.0494	0.0132	2.1000e-004	6.3700e-003	3.0000e-004	6.6700e-003	1.7500e-003	2.9000e-004	2.0400e-003		22.6526	22.6526	1.3100e-003	3.6000e-003	23.7583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0356	0.5210	1.5800e-003	0.2012	1.1100e-003	0.2023	0.0534	1.0200e-003	0.0544		164.9989	164.9989	3.7600e-003	3.8500e-003	166.2409
Total	0.0551	0.0850	0.5342	1.7900e-003	0.2076	1.4100e-003	0.2090	0.0551	1.3100e-003	0.0564		187.6516	187.6516	5.0700e-003	7.4500e-003	189.9991

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0296	0.0000	0.0296	4.4700e-003	0.0000	4.4700e-003			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.0296	0.3530	0.3825	4.4700e-003	0.3247	0.3292	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.3000e-004	0.0494	0.0132	2.1000e-004	6.3700e-003	3.0000e-004	6.6700e-003	1.7500e-003	2.9000e-004	2.0400e-003		22.6526	22.6526	1.3100e-003	3.6000e-003	23.7583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0356	0.5210	1.5800e-003	0.2012	1.1100e-003	0.2023	0.0534	1.0200e-003	0.0544		164.9989	164.9989	3.7600e-003	3.8500e-003	166.2409
Total	0.0551	0.0850	0.5342	1.7900e-003	0.2076	1.4100e-003	0.2090	0.0551	1.3100e-003	0.0564		187.6516	187.6516	5.0700e-003	7.4500e-003	189.9991

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4445	5.1265	8.1739	0.0119		0.1976	0.1976		0.1818	0.1818		1,151.895 2	1,151.895 2	0.3726		1,161.208 9
Total	0.4445	5.1265	8.1739	0.0119	0.0000	0.1976	0.1976	0.0000	0.1818	0.1818		1,151.895 2	1,151.895 2	0.3726		1,161.208 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0163	1.1096	0.2975	4.6200e-003	0.1431	6.8100e-003	0.1499	0.0392	6.5200e-003	0.0458		509.1919	509.1919	0.0295	0.0809	534.0450
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0257	0.3763	1.1400e-003	0.1453	8.0000e-004	0.1461	0.0385	7.4000e-004	0.0393		119.1659	119.1659	2.7200e-003	2.7800e-003	120.0628
Total	0.0556	1.1353	0.6737	5.7600e-003	0.2884	7.6100e-003	0.2960	0.0778	7.2600e-003	0.0850		628.3578	628.3578	0.0322	0.0837	654.1078

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4445	5.1265	8.1739	0.0119		0.1976	0.1976		0.1818	0.1818	0.0000	1,151.895 2	1,151.895 2	0.3726		1,161.208 9
Total	0.4445	5.1265	8.1739	0.0119	0.0000	0.1976	0.1976	0.0000	0.1818	0.1818	0.0000	1,151.895 2	1,151.895 2	0.3726		1,161.208 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0163	1.1096	0.2975	4.6200e-003	0.1431	6.8100e-003	0.1499	0.0392	6.5200e-003	0.0458		509.1919	509.1919	0.0295	0.0809	534.0450
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0257	0.3763	1.1400e-003	0.1453	8.0000e-004	0.1461	0.0385	7.4000e-004	0.0393		119.1659	119.1659	2.7200e-003	2.7800e-003	120.0628
Total	0.0556	1.1353	0.6737	5.7600e-003	0.2884	7.6100e-003	0.2960	0.0778	7.2600e-003	0.0850		628.3578	628.3578	0.0322	0.0837	654.1078

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0400e-003	0.0401	0.0147	1.8000e-004	6.4100e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.4063	19.4063	6.8000e-004	2.8000e-003	20.2568
Worker	0.0121	7.9100e-003	0.1158	3.5000e-004	0.0447	2.5000e-004	0.0450	0.0119	2.3000e-004	0.0121		36.6664	36.6664	8.4000e-004	8.6000e-004	36.9424
Total	0.0131	0.0480	0.1305	5.3000e-004	0.0511	4.5000e-004	0.0516	0.0137	4.2000e-004	0.0141		56.0727	56.0727	1.5200e-003	3.6600e-003	57.1992

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0400e-003	0.0401	0.0147	1.8000e-004	6.4100e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.4063	19.4063	6.8000e-004	2.8000e-003	20.2568
Worker	0.0121	7.9100e-003	0.1158	3.5000e-004	0.0447	2.5000e-004	0.0450	0.0119	2.3000e-004	0.0121		36.6664	36.6664	8.4000e-004	8.6000e-004	36.9424
Total	0.0131	0.0480	0.1305	5.3000e-004	0.0511	4.5000e-004	0.0516	0.0137	4.2000e-004	0.0141		56.0727	56.0727	1.5200e-003	3.6600e-003	57.1992

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0100e-003	0.0398	0.0145	1.8000e-004	6.4100e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.0466	19.0466	6.8000e-004	2.7500e-003	19.8822
Worker	0.0114	7.1800e-003	0.1088	3.4000e-004	0.0447	2.3000e-004	0.0449	0.0119	2.2000e-004	0.0121		35.8442	35.8442	7.6000e-004	8.1000e-004	36.1035
Total	0.0124	0.0470	0.1234	5.2000e-004	0.0511	4.3000e-004	0.0515	0.0137	4.1000e-004	0.0141		54.8908	54.8908	1.4400e-003	3.5600e-003	55.9857

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0100e-003	0.0398	0.0145	1.8000e-004	6.4100e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		19.0466	19.0466	6.8000e-004	2.7500e-003	19.8822
Worker	0.0114	7.1800e-003	0.1088	3.4000e-004	0.0447	2.3000e-004	0.0449	0.0119	2.2000e-004	0.0121		35.8442	35.8442	7.6000e-004	8.1000e-004	36.1035
Total	0.0124	0.0470	0.1234	5.2000e-004	0.0511	4.3000e-004	0.0515	0.0137	4.1000e-004	0.0141		54.8908	54.8908	1.4400e-003	3.5600e-003	55.9857

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0371	0.0233	0.3537	1.1100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		116.4935	116.4935	2.4700e-003	2.6200e-003	117.3363
Total	0.0371	0.0233	0.3537	1.1100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		116.4935	116.4935	2.4700e-003	2.6200e-003	117.3363

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0371	0.0233	0.3537	1.1100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		116.4935	116.4935	2.4700e-003	2.6200e-003	117.3363
Total	0.0371	0.0233	0.3537	1.1100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		116.4935	116.4935	2.4700e-003	2.6200e-003	117.3363

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.8540					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	2.0249	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	2.8500e-003	1.8000e-003	0.0272	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		8.9610	8.9610	1.9000e-004	2.0000e-004	9.0259
Total	2.8500e-003	1.8000e-003	0.0272	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		8.9610	8.9610	1.9000e-004	2.0000e-004	9.0259

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.8540					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	2.0249	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	2.8500e-003	1.8000e-003	0.0272	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		8.9610	8.9610	1.9000e-004	2.0000e-004	9.0259
Total	2.8500e-003	1.8000e-003	0.0272	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		8.9610	8.9610	1.9000e-004	2.0000e-004	9.0259

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
NaturalGas Unmitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

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					
Elementary School	237.271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.237271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1771	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Unmitigated	0.1877	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-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	0.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1877	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1771	1.0000e-005	8.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Frankline Elementary School - Phase-2 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Frankline Elementary School - Phase-3

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	16.66	1000sqft	0.38	16,655.00	0
Other Non-Asphalt Surfaces	14.00	1000sqft	0.32	14,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The project is proposing to renovate approximately 16.6 TSF of existing school structures and approximately 14.0TSF of on-site improvements.

Construction Phase - To be conservative, the project's construction schedule has been shortened and actual construction is expected to be drawn out.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - No new construction is expected.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod Defaults

Grading - The project is expected to import approximately 750 cubic yards of earthwork materials.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Information provided by the applicant.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113-Architectural Coating

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113-Architectural Coating

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	NumDays	100.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	5.00	23.00
tblConstructionPhase	PhaseEndDate	11/18/2027	1/31/2028
tblConstructionPhase	PhaseEndDate	11/4/2027	10/31/2027
tblConstructionPhase	PhaseEndDate	6/14/2027	7/31/2027
tblConstructionPhase	PhaseEndDate	6/17/2027	8/31/2027
tblConstructionPhase	PhaseEndDate	11/11/2027	12/31/2027

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	11/12/2027	1/1/2028
tblConstructionPhase	PhaseStartDate	6/18/2027	9/1/2027
tblConstructionPhase	PhaseStartDate	6/16/2027	8/1/2027
tblConstructionPhase	PhaseStartDate	11/5/2027	12/1/2027
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	94.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0305	0.2755	0.4470	8.6000e-004	0.0113	0.0109	0.0222	2.6800e-003	9.9900e-003	0.0127	0.0000	76.0220	76.0220	0.0222	6.3000e-004	76.7640
2028	0.0414	0.0121	0.0198	3.0000e-005	3.5000e-004	5.4000e-004	8.9000e-004	9.0000e-005	5.4000e-004	6.3000e-004	0.0000	2.9310	2.9310	1.5000e-004	1.0000e-005	2.9363
Maximum	0.0414	0.2755	0.4470	8.6000e-004	0.0113	0.0109	0.0222	2.6800e-003	9.9900e-003	0.0127	0.0000	76.0220	76.0220	0.0222	6.3000e-004	76.7640

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0305	0.2755	0.4470	8.6000e-004	9.5100e-003	0.0109	0.0204	2.4100e-003	9.9900e-003	0.0124	0.0000	76.0219	76.0219	0.0222	6.3000e-004	76.7640
2028	0.0414	0.0121	0.0198	3.0000e-005	3.5000e-004	5.4000e-004	8.9000e-004	9.0000e-005	5.4000e-004	6.3000e-004	0.0000	2.9310	2.9310	1.5000e-004	1.0000e-005	2.9363
Maximum	0.0414	0.2755	0.4470	8.6000e-004	9.5100e-003	0.0109	0.0204	2.4100e-003	9.9900e-003	0.0124	0.0000	76.0219	76.0219	0.0222	6.3000e-004	76.7640

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	15.44	0.00	7.81	9.75	0.00	2.03	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	6-1-2027	8-31-2027	0.2463	0.2463
3	12-1-2027	2-29-2028	0.1119	0.1119
		Highest	0.2463	0.2463

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	0.0651	0.0000	3.9000e-004	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004
Energy	9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004	6.4000e-004	6.4000e-004	6.4000e-004	0.0000	26.1174	26.1174	1.6100e-003	3.4000e-004	26.2594
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	4.3968	0.0000	4.3968	0.2598	0.0000	10.8929
Water						0.0000	0.0000		0.0000	0.0000	0.1533	3.5631	3.7164	0.0160	4.1000e-004	4.2391
Total	0.0660	8.4200e-003	7.4600e-003	5.0000e-005	0.0000	6.4000e-004	6.4000e-004	0.0000	6.4000e-004	6.4000e-004	4.5500	29.6813	34.2314	0.2775	7.5000e-004	41.3921

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

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	0.0651	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004
Energy	9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	26.1174	26.1174	1.6100e-003	3.4000e-004	26.2594
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	1.0992	0.0000	1.0992	0.0650	0.0000	2.7232
Water						0.0000	0.0000		0.0000	0.0000	0.1226	3.3400	3.4626	0.0129	3.3000e-004	3.8833
Total	0.0660	8.4200e-003	7.4600e-003	5.0000e-005	0.0000	6.4000e-004	6.4000e-004	0.0000	6.4000e-004	6.4000e-004	1.2218	29.4582	30.6800	0.0795	6.7000e-004	32.8667

	ROG	NOx	CO	SO2	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	73.15	0.75	10.37	71.37	10.67	20.60

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	6/1/2027	7/31/2027	5	44	
2	Grading	Grading	8/1/2027	8/31/2027	5	22	
3	Building Construction	Building Construction	9/1/2027	10/31/2027	5	43	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	12/1/2027	12/31/2027	5	23
5	Architectural Coating	Architectural Coating	1/1/2028	1/31/2028	5	21

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 24,983; Non-Residential Outdoor: 8,328; Striped Parking Area: 840 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Off-Highway Trucks	1	6.00	402	0.38
Grading	Rollers	1	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	26.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction			5.00	0.00	14.70	6.90				
Grading	3	8.00	0.00	94.00	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 Applied

Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8600e-003	0.0000	2.8600e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.1747	0.2843	5.6000e-004		7.2000e-003	7.2000e-003		6.6200e-003	6.6200e-003	0.0000	49.1985	49.1985	0.0159	0.0000	49.5963
Total	0.0210	0.1747	0.2843	5.6000e-004	2.8600e-003	7.2000e-003	0.0101	4.3000e-004	6.6200e-003	7.0500e-003	0.0000	49.1985	49.1985	0.0159	0.0000	49.5963

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.7400e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7055	0.7055	4.0000e-005	1.1000e-004	0.7400
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	6.6000e-004	0.0104	3.0000e-005	4.3400e-003	2.0000e-005	4.3600e-003	1.1500e-003	2.0000e-005	1.1700e-003	0.0000	3.2009	3.2009	6.0000e-005	7.0000e-005	3.2232
Total	1.0100e-003	2.4000e-003	0.0109	4.0000e-005	4.5600e-003	3.0000e-005	4.5900e-003	1.2100e-003	3.0000e-005	1.2400e-003	0.0000	3.9064	3.9064	1.0000e-004	1.8000e-004	3.9632

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0600e-003	0.0000	1.0600e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.1747	0.2843	5.6000e-004		7.2000e-003	7.2000e-003		6.6200e-003	6.6200e-003	0.0000	49.1984	49.1984	0.0159	0.0000	49.5962
Total	0.0210	0.1747	0.2843	5.6000e-004	1.0600e-003	7.2000e-003	8.2600e-003	1.6000e-004	6.6200e-003	6.7800e-003	0.0000	49.1984	49.1984	0.0159	0.0000	49.5962

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3.2 Demolition - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.7400e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7055	0.7055	4.0000e-005	1.1000e-004	0.7400
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	6.6000e-004	0.0104	3.0000e-005	4.3400e-003	2.0000e-005	4.3600e-003	1.1500e-003	2.0000e-005	1.1700e-003	0.0000	3.2009	3.2009	6.0000e-005	7.0000e-005	3.2232
Total	1.0100e-003	2.4000e-003	0.0109	4.0000e-005	4.5600e-003	3.0000e-005	4.5900e-003	1.2100e-003	3.0000e-005	1.2400e-003	0.0000	3.9064	3.9064	1.0000e-004	1.8000e-004	3.9632

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0390	0.0596	9.0000e-005		1.6400e-003	1.6400e-003		1.5100e-003	1.5100e-003	0.0000	7.4977	7.4977	2.4200e-003	0.0000	7.5583
Total	3.5800e-003	0.0390	0.0596	9.0000e-005	0.0000	1.6400e-003	1.6400e-003	0.0000	1.5100e-003	1.5100e-003	0.0000	7.4977	7.4977	2.4200e-003	0.0000	7.5583

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3.3 Grading - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	6.3100e-003	1.7300e-003	3.0000e-005	8.1000e-004	4.0000e-005	8.5000e-004	2.2000e-004	4.0000e-005	2.6000e-004	0.0000	2.5507	2.5507	1.6000e-004	4.1000e-004	2.6755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	2.3200e-003	1.0000e-005	9.6000e-004	0.0000	9.7000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7113	0.7113	1.0000e-005	2.0000e-005	0.7163
Total	3.2000e-004	6.4600e-003	4.0500e-003	4.0000e-005	1.7700e-003	4.0000e-005	1.8200e-003	4.8000e-004	4.0000e-005	5.2000e-004	0.0000	3.2620	3.2620	1.7000e-004	4.3000e-004	3.3918

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0390	0.0596	9.0000e-005		1.6400e-003	1.6400e-003		1.5100e-003	1.5100e-003	0.0000	7.4977	7.4977	2.4200e-003	0.0000	7.5583
Total	3.5800e-003	0.0390	0.0596	9.0000e-005	0.0000	1.6400e-003	1.6400e-003	0.0000	1.5100e-003	1.5100e-003	0.0000	7.4977	7.4977	2.4200e-003	0.0000	7.5583

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3.3 Grading - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	6.3100e-003	1.7300e-003	3.0000e-005	8.1000e-004	4.0000e-005	8.5000e-004	2.2000e-004	4.0000e-005	2.6000e-004	0.0000	2.5507	2.5507	1.6000e-004	4.1000e-004	2.6755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	2.3200e-003	1.0000e-005	9.6000e-004	0.0000	9.7000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7113	0.7113	1.0000e-005	2.0000e-005	0.7163
Total	3.2000e-004	6.4600e-003	4.0500e-003	4.0000e-005	1.7700e-003	4.0000e-005	1.8200e-003	4.8000e-004	4.0000e-005	5.2000e-004	0.0000	3.2620	3.2620	1.7000e-004	4.3000e-004	3.3918

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3.4 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor					4.8000e-004	0.0000	4.8000e-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					4.8000e-004	0.0000	4.8000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2700e-003	0.0527	0.0842	1.2000e-004		1.9300e-003	1.9300e-003		1.7700e-003	1.7700e-003	0.0000	10.9491	10.9491	3.5400e-003	0.0000	11.0376
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.2700e-003	0.0527	0.0842	1.2000e-004		1.9300e-003	1.9300e-003		1.7700e-003	1.7700e-003	0.0000	10.9491	10.9491	3.5400e-003	0.0000	11.0376

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3.5 Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	3.9400e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2084	1.2084	2.0000e-005	3.0000e-005	1.2168
Total	3.7000e-004	2.5000e-004	3.9400e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2084	1.2084	2.0000e-005	3.0000e-005	1.2168

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2700e-003	0.0527	0.0842	1.2000e-004		1.9300e-003	1.9300e-003		1.7700e-003	1.7700e-003	0.0000	10.9490	10.9490	3.5400e-003	0.0000	11.0376
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.2700e-003	0.0527	0.0842	1.2000e-004		1.9300e-003	1.9300e-003		1.7700e-003	1.7700e-003	0.0000	10.9490	10.9490	3.5400e-003	0.0000	11.0376

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3.5 Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	3.9400e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2084	1.2084	2.0000e-005	3.0000e-005	1.2168
Total	3.7000e-004	2.5000e-004	3.9400e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2084	1.2084	2.0000e-005	3.0000e-005	1.2168

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0396					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7900e-003	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846
Total	0.0414	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846

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3.6 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	7.9000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2500	0.2500	0.0000	1.0000e-005	0.2517
Total	7.0000e-005	5.0000e-005	7.9000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2500	0.2500	0.0000	1.0000e-005	0.2517

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0396					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7900e-003	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846
Total	0.0414	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846

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3.6 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	7.9000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2500	0.2500	0.0000	1.0000e-005	0.2517
Total	7.0000e-005	5.0000e-005	7.9000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2500	0.2500	0.0000	1.0000e-005	0.2517

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.533522	0.066597	0.191847	0.126396	0.023913	0.006761	0.011443	0.007995	0.000939	0.000579	0.025999	0.000713	0.003295
Other Non-Asphalt Surfaces	0.533522	0.066597	0.191847	0.126396	0.023913	0.006761	0.011443	0.007995	0.000939	0.000579	0.025999	0.000713	0.003295

5.0 Energy Detail

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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	16.9542	16.9542	1.4300e-003	1.7000e-004	17.0416
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	16.9542	16.9542	1.4300e-003	1.7000e-004	17.0416
NaturalGas Mitigated	9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1633	9.1633	1.8000e-004	1.7000e-004	9.2177
NaturalGas Unmitigated	9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1633	9.1633	1.8000e-004	1.7000e-004	9.2177

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	171713	9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1633	9.1633	1.8000e-004	1.7000e-004	9.2177
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1633	9.1633	1.8000e-004	1.7000e-004	9.2177

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					
Elementary School	171713	9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1633	9.1633	1.8000e-004	1.7000e-004	9.2177
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.3000e-004	8.4200e-003	7.0700e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1633	9.1633	1.8000e-004	1.7000e-004	9.2177

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	95599.7	16.9542	1.4300e-003	1.7000e-004	17.0416
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		16.9542	1.4300e-003	1.7000e-004	17.0416

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	95599.7	16.9542	1.4300e-003	1.7000e-004	17.0416
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		16.9542	1.4300e-003	1.7000e-004	17.0416

6.0 Area Detail

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0651	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004
Unmitigated	0.0651	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

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	3.9600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004
Total	0.0651	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.9600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004
Total	0.0651	0.0000	3.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.6000e-004	7.6000e-004	0.0000	0.0000	8.1000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.4626	0.0129	3.3000e-004	3.8833
Unmitigated	3.7164	0.0160	4.1000e-004	4.2391

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.483089 / 1.24223	3.7164	0.0160	4.1000e-004	4.2391
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		3.7164	0.0160	4.1000e-004	4.2391

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.386471 / 1.24223	3.4626	0.0129	3.3000e-004	3.8833
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		3.4626	0.0129	3.3000e-004	3.8833

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.0992	0.0650	0.0000	2.7232
Unmitigated	4.3968	0.2598	0.0000	10.8929

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	21.66	4.3968	0.2598	0.0000	10.8929
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		4.3968	0.2598	0.0000	10.8929

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	5.415	1.0992	0.0650	0.0000	2.7232
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		1.0992	0.0650	0.0000	2.7232

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

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Frankline Elementary School - Phase-3
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	16.66	1000sqft	0.38	16,655.00	0
Other Non-Asphalt Surfaces	14.00	1000sqft	0.32	14,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The project is proposing to renovate approximately 16.6 TSF of existing school structures and approximately 14.0TSF of on-site improvements.

Construction Phase - To be conservative, the project's construction schedule has been shortened and actual construction is expected to be drawn out.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - No new construction is expected.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod Defaults

Grading - The project is expected to import approximately 750 cubic yards of earthwork materials.

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Information provided by the applicant.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113-Architectural Coating

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113-Architectural Coating

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	NumDays	100.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	5.00	23.00
tblConstructionPhase	PhaseEndDate	11/18/2027	1/31/2028
tblConstructionPhase	PhaseEndDate	11/4/2027	10/31/2027
tblConstructionPhase	PhaseEndDate	6/14/2027	7/31/2027
tblConstructionPhase	PhaseEndDate	6/17/2027	8/31/2027
tblConstructionPhase	PhaseEndDate	11/11/2027	12/31/2027

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	11/12/2027	1/1/2028
tblConstructionPhase	PhaseStartDate	6/18/2027	9/1/2027
tblConstructionPhase	PhaseStartDate	6/16/2027	8/1/2027
tblConstructionPhase	PhaseStartDate	11/5/2027	12/1/2027
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	94.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	0.9981	8.0427	13.4476	0.0274	0.3414	0.3287	0.6701	0.0759	0.3024	0.3783	0.0000	2,667.1993	2,667.1993	0.8025	0.0421	2,689.8980
2028	3.9467	1.1496	1.8889	3.2300e-003	0.0335	0.0517	0.0852	8.8900e-003	0.0517	0.0605	0.0000	308.7439	308.7439	0.0158	5.1000e-004	309.2925
Maximum	3.9467	8.0427	13.4476	0.0274	0.3414	0.3287	0.6701	0.0759	0.3024	0.3783	0.0000	2,667.1993	2,667.1993	0.8025	0.0421	2,689.8980

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	0.9981	8.0427	13.4476	0.0274	0.2597	0.3287	0.5884	0.0635	0.3024	0.3659	0.0000	2,667.1993	2,667.1993	0.8025	0.0421	2,689.8980
2028	3.9467	1.1496	1.8889	3.2300e-003	0.0335	0.0517	0.0852	8.8900e-003	0.0517	0.0605	0.0000	308.7439	308.7439	0.0158	5.1000e-004	309.2925
Maximum	3.9467	8.0427	13.4476	0.0274	0.2597	0.3287	0.5884	0.0635	0.3024	0.3659	0.0000	2,667.1993	2,667.1993	0.8025	0.0421	2,689.8980

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	21.80	0.00	10.82	14.61	0.00	2.82	0.00	0.00	0.00	0.00	0.00	0.00

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Energy	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
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	0.3618	0.0462	0.0419	2.8000e-004	0.0000	3.5200e-003	3.5200e-003	0.0000	3.5200e-003	3.5200e-003		55.3534	55.3534	1.0800e-003	1.0100e-003	55.6827

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	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Energy	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
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	0.3618	0.0462	0.0419	2.8000e-004	0.0000	3.5200e-003	3.5200e-003	0.0000	3.5200e-003	3.5200e-003		55.3534	55.3534	1.0800e-003	1.0100e-003	55.6827

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	6/1/2027	7/31/2027	5	44	
2	Grading	Grading	8/1/2027	8/31/2027	5	22	
3	Building Construction	Building Construction	9/1/2027	10/31/2027	5	43	
4	Paving	Paving	12/1/2027	12/31/2027	5	23	
5	Architectural Coating	Architectural Coating	1/1/2028	1/31/2028	5	21	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 24,983; Non-Residential Outdoor: 8,328; Striped Parking Area: 840 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Off-Highway Trucks	1	6.00	402	0.38
Grading	Rollers	1	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	26.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction			5.00	0.00	14.70	6.90				
Grading	3	8.00	0.00	94.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1299	0.0000	0.1299	0.0197	0.0000	0.0197			0.0000			0.0000
Off-Road	0.9523	7.9407	12.9234	0.0255		0.3272	0.3272		0.3011	0.3011		2,465.0926	2,465.0926	0.7973		2,485.0242
Total	0.9523	7.9407	12.9234	0.0255	0.1299	0.3272	0.4571	0.0197	0.3011	0.3207		2,465.0926	2,465.0926	0.7973		2,485.0242

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2400e-003	0.0752	0.0217	3.2000e-004	0.0103	4.9000e-004	0.0108	2.8400e-003	4.6000e-004	3.3000e-003		35.3332	35.3332	2.1700e-003	5.6200e-003	37.0620
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0268	0.5025	1.5800e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.7734	166.7734	3.0700e-003	3.2300e-003	167.8118
Total	0.0458	0.1020	0.5242	1.9000e-003	0.2115	1.4800e-003	0.2130	0.0562	1.3700e-003	0.0576		202.1066	202.1066	5.2400e-003	8.8500e-003	204.8739

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0481	0.0000	0.0481	7.2800e-003	0.0000	7.2800e-003			0.0000			0.0000
Off-Road	0.9523	7.9407	12.9234	0.0255		0.3272	0.3272		0.3011	0.3011	0.0000	2,465.0926	2,465.0926	0.7973		2,485.0242
Total	0.9523	7.9407	12.9234	0.0255	0.0481	0.3272	0.3753	7.2800e-003	0.3011	0.3083	0.0000	2,465.0926	2,465.0926	0.7973		2,485.0242

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2400e-003	0.0752	0.0217	3.2000e-004	0.0103	4.9000e-004	0.0108	2.8400e-003	4.6000e-004	3.3000e-003		35.3332	35.3332	2.1700e-003	5.6200e-003	37.0620
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0268	0.5025	1.5800e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.7734	166.7734	3.0700e-003	3.2300e-003	167.8118
Total	0.0458	0.1020	0.5242	1.9000e-003	0.2115	1.4800e-003	0.2130	0.0562	1.3700e-003	0.0576		202.1066	202.1066	5.2400e-003	8.8500e-003	204.8739

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3259	3.5433	5.4176	7.7600e-003		0.1495	0.1495		0.1375	0.1375		751.3463	751.3463	0.2430		757.4213
Total	0.3259	3.5433	5.4176	7.7600e-003	0.0000	0.1495	0.1495	0.0000	0.1375	0.1375		751.3463	751.3463	0.2430		757.4213

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.9400e-003	0.5440	0.1567	2.3100e-003	0.0748	3.5100e-003	0.0783	0.0205	3.3600e-003	0.0239		255.4863	255.4863	0.0157	0.0406	267.9870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0119	0.2233	7.0000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		74.1215	74.1215	1.3600e-003	1.4300e-003	74.5830
Total	0.0288	0.5559	0.3800	3.0100e-003	0.1642	3.9500e-003	0.1682	0.0442	3.7700e-003	0.0480		329.6078	329.6078	0.0171	0.0421	342.5700

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3259	3.5433	5.4176	7.7600e-003		0.1495	0.1495		0.1375	0.1375	0.0000	751.3463	751.3463	0.2430		757.4213
Total	0.3259	3.5433	5.4176	7.7600e-003	0.0000	0.1495	0.1495	0.0000	0.1375	0.1375	0.0000	751.3463	751.3463	0.2430		757.4213

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.9400e-003	0.5440	0.1567	2.3100e-003	0.0748	3.5100e-003	0.0783	0.0205	3.3600e-003	0.0239		255.4863	255.4863	0.0157	0.0406	267.9870
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0119	0.2233	7.0000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		74.1215	74.1215	1.3600e-003	1.4300e-003	74.5830
Total	0.0288	0.5559	0.3800	3.0100e-003	0.1642	3.9500e-003	0.1682	0.0442	3.7700e-003	0.0480		329.6078	329.6078	0.0171	0.0421	342.5700

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000

3.5 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0322	0.0193	0.3629	1.1400e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		120.4475	120.4475	2.2200e-003	2.3300e-003	121.1974
Total	0.0322	0.0193	0.3629	1.1400e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		120.4475	120.4475	2.2200e-003	2.3300e-003	121.1974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0322	0.0193	0.3629	1.1400e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		120.4475	120.4475	2.2200e-003	2.3300e-003	121.1974
Total	0.0322	0.0193	0.3629	1.1400e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		120.4475	120.4475	2.2200e-003	2.3300e-003	121.1974

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.7688					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	3.9397	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0200e-003	4.1100e-003	0.0797	2.6000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		27.2959	27.2959	4.7000e-004	5.1000e-004	27.4607
Total	7.0200e-003	4.1100e-003	0.0797	2.6000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		27.2959	27.2959	4.7000e-004	5.1000e-004	27.4607

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.7688					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	3.9397	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

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0200e-003	4.1100e-003	0.0797	2.6000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		27.2959	27.2959	4.7000e-004	5.1000e-004	27.4607
Total	7.0200e-003	4.1100e-003	0.0797	2.6000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		27.2959	27.2959	4.7000e-004	5.1000e-004	27.4607

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.533522	0.066597	0.191847	0.126396	0.023913	0.006761	0.011443	0.007995	0.000939	0.000579	0.025999	0.000713	0.003295
Other Non-Asphalt Surfaces	0.533522	0.066597	0.191847	0.126396	0.023913	0.006761	0.011443	0.007995	0.000939	0.000579	0.025999	0.000713	0.003295

5.0 Energy Detail

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
NaturalGas Unmitigated	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756

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					
Elementary School	470.447	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.470447	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Unmitigated	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-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	0.0217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Total	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Total	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Frankline Elementary School - Phase-3

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	16.66	1000sqft	0.38	16,655.00	0
Other Non-Asphalt Surfaces	14.00	1000sqft	0.32	14,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The project is proposing to renovate approximately 16.6 TSF of existing school structures and approximately 14.0TSF of on-site improvements.

Construction Phase - To be conservative, the project's construction schedule has been shortened and actual construction is expected to be drawn out.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - No new construction is expected.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod Defaults

Grading - The project is expected to import approximately 750 cubic yards of earthwork materials.

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Information provided by the applicant.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113-Architectural Coating

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113-Architectural Coating

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	NumDays	100.00	43.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	5.00	23.00
tblConstructionPhase	PhaseEndDate	11/18/2027	1/31/2028
tblConstructionPhase	PhaseEndDate	11/4/2027	10/31/2027
tblConstructionPhase	PhaseEndDate	6/14/2027	7/31/2027
tblConstructionPhase	PhaseEndDate	6/17/2027	8/31/2027
tblConstructionPhase	PhaseEndDate	11/11/2027	12/31/2027

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	11/12/2027	1/1/2028
tblConstructionPhase	PhaseStartDate	6/18/2027	9/1/2027
tblConstructionPhase	PhaseStartDate	6/16/2027	8/1/2027
tblConstructionPhase	PhaseStartDate	11/5/2027	12/1/2027
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	94.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	1.0019	8.0488	13.4085	0.0273	0.3414	0.3287	0.6701	0.0759	0.3024	0.3783	0.0000	2,658.5033	2,658.5033	0.8026	0.0422	2,681.2696
2028	3.9473	1.1500	1.8827	3.2100e-003	0.0335	0.0517	0.0852	8.8900e-003	0.0517	0.0605	0.0000	307.3153	307.3153	0.0158	5.5000e-004	307.8744
Maximum	3.9473	8.0488	13.4085	0.0273	0.3414	0.3287	0.6701	0.0759	0.3024	0.3783	0.0000	2,658.5033	2,658.5033	0.8026	0.0422	2,681.2696

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	1.0019	8.0488	13.4085	0.0273	0.2597	0.3287	0.5884	0.0635	0.3024	0.3659	0.0000	2,658.5033	2,658.5033	0.8026	0.0422	2,681.2696
2028	3.9473	1.1500	1.8827	3.2100e-003	0.0335	0.0517	0.0852	8.8900e-003	0.0517	0.0605	0.0000	307.3153	307.3153	0.0158	5.5000e-004	307.8744
Maximum	3.9473	8.0488	13.4085	0.0273	0.2597	0.3287	0.5884	0.0635	0.3024	0.3659	0.0000	2,658.5033	2,658.5033	0.8026	0.0422	2,681.2696

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	21.80	0.00	10.82	14.61	0.00	2.82	0.00	0.00	0.00	0.00	0.00	0.00

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Energy	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
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	0.3618	0.0462	0.0419	2.8000e-004	0.0000	3.5200e-003	3.5200e-003	0.0000	3.5200e-003	3.5200e-003		55.3534	55.3534	1.0800e-003	1.0100e-003	55.6827

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	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Energy	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
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	0.3618	0.0462	0.0419	2.8000e-004	0.0000	3.5200e-003	3.5200e-003	0.0000	3.5200e-003	3.5200e-003		55.3534	55.3534	1.0800e-003	1.0100e-003	55.6827

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	6/1/2027	7/31/2027	5	44	
2	Grading	Grading	8/1/2027	8/31/2027	5	22	
3	Building Construction	Building Construction	9/1/2027	10/31/2027	5	43	
4	Paving	Paving	12/1/2027	12/31/2027	5	23	
5	Architectural Coating	Architectural Coating	1/1/2028	1/31/2028	5	21	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 24,983; Non-Residential Outdoor: 8,328; Striped Parking Area: 840 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Off-Highway Trucks	1	6.00	402	0.38
Grading	Rollers	1	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	26.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction			5.00	0.00	14.70	6.90				
Grading	3	8.00	0.00	94.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1299	0.0000	0.1299	0.0197	0.0000	0.0197			0.0000			0.0000
Off-Road	0.9523	7.9407	12.9234	0.0255		0.3272	0.3272		0.3011	0.3011		2,465.0926	2,465.0926	0.7973		2,485.0242
Total	0.9523	7.9407	12.9234	0.0255	0.1299	0.3272	0.4571	0.0197	0.3011	0.3207		2,465.0926	2,465.0926	0.7973		2,485.0242

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1500e-003	0.0786	0.0219	3.2000e-004	0.0103	4.9000e-004	0.0108	2.8400e-003	4.7000e-004	3.3000e-003		35.3724	35.3724	2.1700e-003	5.6300e-003	37.1030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0295	0.4632	1.4900e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		158.0383	158.0383	3.1300e-003	3.4400e-003	159.1425
Total	0.0497	0.1081	0.4851	1.8100e-003	0.2115	1.4800e-003	0.2130	0.0562	1.3800e-003	0.0576		193.4107	193.4107	5.3000e-003	9.0700e-003	196.2454

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0481	0.0000	0.0481	7.2800e-003	0.0000	7.2800e-003			0.0000			0.0000
Off-Road	0.9523	7.9407	12.9234	0.0255		0.3272	0.3272		0.3011	0.3011	0.0000	2,465.0926	2,465.0926	0.7973		2,485.0242
Total	0.9523	7.9407	12.9234	0.0255	0.0481	0.3272	0.3753	7.2800e-003	0.3011	0.3083	0.0000	2,465.0926	2,465.0926	0.7973		2,485.0242

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1500e-003	0.0786	0.0219	3.2000e-004	0.0103	4.9000e-004	0.0108	2.8400e-003	4.7000e-004	3.3000e-003		35.3724	35.3724	2.1700e-003	5.6300e-003	37.1030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0295	0.4632	1.4900e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		158.0383	158.0383	3.1300e-003	3.4400e-003	159.1425
Total	0.0497	0.1081	0.4851	1.8100e-003	0.2115	1.4800e-003	0.2130	0.0562	1.3800e-003	0.0576		193.4107	193.4107	5.3000e-003	9.0700e-003	196.2454

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3259	3.5433	5.4176	7.7600e-003		0.1495	0.1495		0.1375	0.1375		751.3463	751.3463	0.2430		757.4213
Total	0.3259	3.5433	5.4176	7.7600e-003	0.0000	0.1495	0.1495	0.0000	0.1375	0.1375		751.3463	751.3463	0.2430		757.4213

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.3400e-003	0.5681	0.1587	2.3100e-003	0.0748	3.5200e-003	0.0783	0.0205	3.3600e-003	0.0239		255.7694	255.7694	0.0157	0.0407	268.2829
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0131	0.2059	6.6000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		70.2393	70.2393	1.3900e-003	1.5300e-003	70.7300
Total	0.0299	0.5813	0.3645	2.9700e-003	0.1642	3.9600e-003	0.1682	0.0442	3.7700e-003	0.0480		326.0086	326.0086	0.0171	0.0422	339.0129

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3259	3.5433	5.4176	7.7600e-003		0.1495	0.1495		0.1375	0.1375	0.0000	751.3463	751.3463	0.2430		757.4213
Total	0.3259	3.5433	5.4176	7.7600e-003	0.0000	0.1495	0.1495	0.0000	0.1375	0.1375	0.0000	751.3463	751.3463	0.2430		757.4213

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.3400e-003	0.5681	0.1587	2.3100e-003	0.0748	3.5200e-003	0.0783	0.0205	3.3600e-003	0.0239		255.7694	255.7694	0.0157	0.0407	268.2829
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0131	0.2059	6.6000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		70.2393	70.2393	1.3900e-003	1.5300e-003	70.7300
Total	0.0299	0.5813	0.3645	2.9700e-003	0.1642	3.9600e-003	0.1682	0.0442	3.7700e-003	0.0480		326.0086	326.0086	0.0171	0.0422	339.0129

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0228	0.0000	0.0228	5.6000e-003	0.0000	5.6000e-003			0.0000			0.0000

3.5 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540		1,049.5016	1,049.5016	0.3394		1,057.9874

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0350	0.0213	0.3345	1.0800e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		114.1388	114.1388	2.2600e-003	2.4900e-003	114.9362
Total	0.0350	0.0213	0.3345	1.0800e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		114.1388	114.1388	2.2600e-003	2.4900e-003	114.9362

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3714	4.5802	7.3179	0.0108		0.1674	0.1674		0.1540	0.1540	0.0000	1,049.5016	1,049.5016	0.3394		1,057.9874

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0350	0.0213	0.3345	1.0800e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		114.1388	114.1388	2.2600e-003	2.4900e-003	114.9362
Total	0.0350	0.0213	0.3345	1.0800e-003	0.1453	7.2000e-004	0.1460	0.0385	6.6000e-004	0.0392		114.1388	114.1388	2.2600e-003	2.4900e-003	114.9362

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.7688					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	3.9397	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6600e-003	4.5300e-003	0.0735	2.4000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		25.8673	25.8673	4.8000e-004	5.5000e-004	26.0425
Total	7.6600e-003	4.5300e-003	0.0735	2.4000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		25.8673	25.8673	4.8000e-004	5.5000e-004	26.0425

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.7688					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	3.9397	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

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6600e-003	4.5300e-003	0.0735	2.4000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		25.8673	25.8673	4.8000e-004	5.5000e-004	26.0425
Total	7.6600e-003	4.5300e-003	0.0735	2.4000e-004	0.0335	1.5000e-004	0.0337	8.8900e-003	1.4000e-004	9.0300e-003		25.8673	25.8673	4.8000e-004	5.5000e-004	26.0425

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.533522	0.066597	0.191847	0.126396	0.023913	0.006761	0.011443	0.007995	0.000939	0.000579	0.025999	0.000713	0.003295
Other Non-Asphalt Surfaces	0.533522	0.066597	0.191847	0.126396	0.023913	0.006761	0.011443	0.007995	0.000939	0.000579	0.025999	0.000713	0.003295

5.0 Energy Detail

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
NaturalGas Unmitigated	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756

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					
Elementary School	470.447	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.470447	5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.0700e-003	0.0461	0.0387	2.8000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003		55.3467	55.3467	1.0600e-003	1.0100e-003	55.6756

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Unmitigated	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-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	0.0217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Total	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003
Total	0.3567	3.0000e-005	3.1200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.7100e-003	6.7100e-003	2.0000e-005		7.1500e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Frankline Elementary School - Phase-3 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Phase-4

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	8.40	1000sqft	0.19	8,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 3 involves construction of new two-story building of approximately 8,400 sq ft.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to import approximately 6500 cubic yards of earthwork materials during Phase-4 construction.

Demolition - Information provided by the applicant.

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113

Water Mitigation - project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	64.00
tblConstructionPhase	NumDays	100.00	391.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	2.00	43.00
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	PhaseEndDate	11/20/2029	3/31/2031
tblConstructionPhase	PhaseEndDate	11/6/2029	3/31/2031
tblConstructionPhase	PhaseEndDate	6/14/2029	7/31/2029
tblConstructionPhase	PhaseEndDate	6/19/2029	9/30/2029
tblConstructionPhase	PhaseEndDate	11/13/2029	4/30/2031
tblConstructionPhase	PhaseStartDate	11/14/2029	1/1/2031

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	6/20/2029	10/1/2029
tblConstructionPhase	PhaseStartDate	6/16/2029	8/1/2029
tblConstructionPhase	PhaseStartDate	11/7/2029	3/1/2031
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	812.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0410	0.4085	0.5810	1.2600e-003	0.0203	0.0151	0.0354	4.9900e-003	0.0139	0.0189	0.0000	114.5323	114.5323	0.0293	3.7200e-003	116.3738
2030	0.0244	0.1332	0.3251	5.5000e-004	6.5400e-003	1.7700e-003	8.3100e-003	1.7600e-003	1.7700e-003	3.5200e-003	0.0000	48.3479	48.3479	2.0100e-003	3.8000e-004	48.5120
2031	0.0414	0.1363	0.3140	5.4000e-004	5.0200e-003	2.4700e-003	7.4800e-003	1.3400e-003	2.4600e-003	3.8000e-003	0.0000	46.9732	46.9732	1.7600e-003	1.4000e-004	47.0585
Maximum	0.0414	0.4085	0.5810	1.2600e-003	0.0203	0.0151	0.0354	4.9900e-003	0.0139	0.0189	0.0000	114.5323	114.5323	0.0293	3.7200e-003	116.3738

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0410	0.4085	0.5810	1.2600e-003	0.0177	0.0151	0.0329	4.6100e-003	0.0139	0.0185	0.0000	114.5322	114.5322	0.0293	3.7200e-003	116.3737
2030	0.0244	0.1332	0.3251	5.5000e-004	6.5400e-003	1.7700e-003	8.3100e-003	1.7600e-003	1.7700e-003	3.5200e-003	0.0000	48.3479	48.3479	2.0100e-003	3.8000e-004	48.5120
2031	0.0414	0.1363	0.3140	5.4000e-004	5.0200e-003	2.4700e-003	7.4800e-003	1.3400e-003	2.4600e-003	3.8000e-003	0.0000	46.9731	46.9731	1.7600e-003	1.4000e-004	47.0585
Maximum	0.0414	0.4085	0.5810	1.2600e-003	0.0177	0.0151	0.0329	4.6100e-003	0.0139	0.0185	0.0000	114.5322	114.5322	0.0293	3.7200e-003	116.3737

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	7.89	0.00	4.91	4.70	0.00	1.45	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	6-1-2029	8-31-2029	0.3044	0.3044
2	9-1-2029	11-30-2029	0.1264	0.1264
3	12-1-2029	2-28-2030	0.0461	0.0461
4	3-1-2030	5-31-2030	0.0396	0.0396
5	6-1-2030	8-31-2030	0.0396	0.0396
6	9-1-2030	11-30-2030	0.0392	0.0392
7	12-1-2030	2-28-2031	0.0725	0.0725
8	3-1-2031	5-31-2031	0.1202	0.1202
		Highest	0.3044	0.3044

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Energy	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	13.1724	13.1724	8.1000e-004	1.7000e-004	13.2440
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	2.2167	0.0000	2.2167	0.1310	0.0000	5.4917
Water						0.0000	0.0000		0.0000	0.0000	0.0773	1.7965	1.8738	8.0900e-003	2.1000e-004	2.1374
Total	0.0328	4.2500e-003	3.6800e-003	3.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.2000e-004	3.2000e-004	2.2939	14.9692	17.2631	0.1399	3.8000e-004	20.8732

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Energy	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	13.1724	13.1724	8.1000e-004	1.7000e-004	13.2440
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.5542	0.0000	0.5542	0.0328	0.0000	1.3729
Water						0.0000	0.0000		0.0000	0.0000	0.0618	1.6840	1.7459	6.4900e-003	1.7000e-004	1.9580
Total	0.0328	4.2500e-003	3.6800e-003	3.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.2000e-004	3.2000e-004	0.6160	14.8567	15.4727	0.0401	3.4000e-004	16.5751

	ROG	NOx	CO	SO2	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	73.15	0.75	10.37	71.37	10.53	20.59

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	6/1/2029	7/31/2029	5	43	
2	Grading	Grading	8/1/2029	9/30/2029	5	43	
3	Building Construction	Building Construction	10/1/2029	3/31/2031	5	391	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	3/1/2031	4/30/2031	5	43
5	Architectural Coating	Architectural Coating	1/1/2031	3/31/2031	5	64

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: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Skid Steer Loaders	3	8.00	65	0.37
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rollers	1	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	37.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	812.00	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 Applied

Building Construction	2	4.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	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

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9900e-003	0.0000	3.9900e-003	6.0000e-004	0.0000	6.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0231	0.1862	0.2951	6.2000e-004		7.5900e-003	7.5900e-003		6.9800e-003	6.9800e-003	0.0000	54.3514	54.3514	0.0176	0.0000	54.7908
Total	0.0231	0.1862	0.2951	6.2000e-004	3.9900e-003	7.5900e-003	0.0116	6.0000e-004	6.9800e-003	7.5800e-003	0.0000	54.3514	54.3514	0.0176	0.0000	54.7908

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	2.4300e-003	6.9000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.9632	0.9632	6.0000e-005	1.5000e-004	1.0104
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	9.2900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	2.0000e-005	1.1400e-003	0.0000	3.0222	3.0222	5.0000e-005	6.0000e-005	3.0421
Total	8.9000e-004	2.9800e-003	9.9800e-003	4.0000e-005	4.5600e-003	3.0000e-005	4.5900e-003	1.2200e-003	3.0000e-005	1.2400e-003	0.0000	3.9854	3.9854	1.1000e-004	2.1000e-004	4.0525

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.4800e-003	0.0000	1.4800e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0231	0.1862	0.2951	6.2000e-004		7.5900e-003	7.5900e-003		6.9800e-003	6.9800e-003	0.0000	54.3513	54.3513	0.0176	0.0000	54.7908
Total	0.0231	0.1862	0.2951	6.2000e-004	1.4800e-003	7.5900e-003	9.0700e-003	2.2000e-004	6.9800e-003	7.2000e-003	0.0000	54.3513	54.3513	0.0176	0.0000	54.7908

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	2.4300e-003	6.9000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.9632	0.9632	6.0000e-005	1.5000e-004	1.0104
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.5000e-004	9.2900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	2.0000e-005	1.1400e-003	0.0000	3.0222	3.0222	5.0000e-005	6.0000e-005	3.0421
Total	8.9000e-004	2.9800e-003	9.9800e-003	4.0000e-005	4.5600e-003	3.0000e-005	4.5900e-003	1.2200e-003	3.0000e-005	1.2400e-003	0.0000	3.9854	3.9854	1.1000e-004	2.1000e-004	4.0525

3.3 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5500e-003	0.1101	0.1755	2.6000e-004		4.2400e-003	4.2400e-003		3.9000e-003	3.9000e-003	0.0000	22.4432	22.4432	7.2600e-003	0.0000	22.6247
Total	9.5500e-003	0.1101	0.1755	2.6000e-004	0.0000	4.2400e-003	4.2400e-003	0.0000	3.9000e-003	3.9000e-003	0.0000	22.4432	22.4432	7.2600e-003	0.0000	22.6247

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.1000e-004	0.0533	0.0152	2.1000e-004	6.9900e-003	3.3000e-004	7.3100e-003	1.9200e-003	3.1000e-004	2.2300e-003	0.0000	21.1381	21.1381	1.3800e-003	3.3600e-003	22.1751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.0000e-004	6.7100e-003	2.0000e-005	3.0600e-003	1.0000e-005	3.0800e-003	8.1000e-004	1.0000e-005	8.3000e-004	0.0000	2.1827	2.1827	4.0000e-005	5.0000e-005	2.1971
Total	1.4300e-003	0.0537	0.0220	2.3000e-004	0.0101	3.4000e-004	0.0104	2.7300e-003	3.2000e-004	3.0600e-003	0.0000	23.3208	23.3208	1.4200e-003	3.4100e-003	24.3721

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5500e-003	0.1101	0.1755	2.6000e-004		4.2400e-003	4.2400e-003		3.9000e-003	3.9000e-003	0.0000	22.4432	22.4432	7.2600e-003	0.0000	22.6247
Total	9.5500e-003	0.1101	0.1755	2.6000e-004	0.0000	4.2400e-003	4.2400e-003	0.0000	3.9000e-003	3.9000e-003	0.0000	22.4432	22.4432	7.2600e-003	0.0000	22.6247

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.1000e-004	0.0533	0.0152	2.1000e-004	6.9900e-003	3.3000e-004	7.3100e-003	1.9200e-003	3.1000e-004	2.2300e-003	0.0000	21.1381	21.1381	1.3800e-003	3.3600e-003	22.1751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.0000e-004	6.7100e-003	2.0000e-005	3.0600e-003	1.0000e-005	3.0800e-003	8.1000e-004	1.0000e-005	8.3000e-004	0.0000	2.1827	2.1827	4.0000e-005	5.0000e-005	2.1971
Total	1.4300e-003	0.0537	0.0220	2.3000e-004	0.0101	3.4000e-004	0.0104	2.7300e-003	3.2000e-004	3.0600e-003	0.0000	23.3208	23.3208	1.4200e-003	3.4100e-003	24.3721

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.7300e-003	0.0540	0.0748	1.0000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	8.8632	8.8632	2.8700e-003	0.0000	8.9349
Total	5.7300e-003	0.0540	0.0748	1.0000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	8.8632	8.8632	2.8700e-003	0.0000	8.9349

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3.4 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2900e-003	4.6000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.5375	0.5375	2.0000e-005	8.0000e-005	0.5611
Worker	2.9000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0308	1.0308	2.0000e-005	2.0000e-005	1.0376
Total	3.2000e-004	1.4800e-003	3.6300e-003	2.0000e-005	1.6600e-003	2.0000e-005	1.6600e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	1.5683	1.5683	4.0000e-005	1.0000e-004	1.5987

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.7300e-003	0.0540	0.0748	1.0000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	8.8632	8.8632	2.8700e-003	0.0000	8.9349
Total	5.7300e-003	0.0540	0.0748	1.0000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	8.8632	8.8632	2.8700e-003	0.0000	8.9349

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2900e-003	4.6000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.5375	0.5375	2.0000e-005	8.0000e-005	0.5611
Worker	2.9000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0308	1.0308	2.0000e-005	2.0000e-005	1.0376
Total	3.2000e-004	1.4800e-003	3.6300e-003	2.0000e-005	1.6600e-003	2.0000e-005	1.6600e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	1.5683	1.5683	4.0000e-005	1.0000e-004	1.5987

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0232	0.1274	0.3113	4.9000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	42.2433	42.2433	1.8600e-003	0.0000	42.2897
Total	0.0232	0.1274	0.3113	4.9000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	42.2433	42.2433	1.8600e-003	0.0000	42.2897

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	5.0600e-003	1.8100e-003	2.0000e-005	8.2000e-004	2.0000e-005	8.5000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	2.0868	2.0868	8.0000e-005	3.0000e-004	2.1787
Worker	1.0900e-003	6.9000e-004	0.0120	4.0000e-005	5.7200e-003	2.0000e-005	5.7400e-003	1.5200e-003	2.0000e-005	1.5400e-003	0.0000	4.0178	4.0178	6.0000e-005	8.0000e-005	4.0436
Total	1.2200e-003	5.7500e-003	0.0138	6.0000e-005	6.5400e-003	4.0000e-005	6.5900e-003	1.7600e-003	4.0000e-005	1.8000e-003	0.0000	6.1047	6.1047	1.4000e-004	3.8000e-004	6.2223

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0232	0.1274	0.3113	4.9000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	42.2432	42.2432	1.8600e-003	0.0000	42.2897
Total	0.0232	0.1274	0.3113	4.9000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	42.2432	42.2432	1.8600e-003	0.0000	42.2897

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	5.0600e-003	1.8100e-003	2.0000e-005	8.2000e-004	2.0000e-005	8.5000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	2.0868	2.0868	8.0000e-005	3.0000e-004	2.1787
Worker	1.0900e-003	6.9000e-004	0.0120	4.0000e-005	5.7200e-003	2.0000e-005	5.7400e-003	1.5200e-003	2.0000e-005	1.5400e-003	0.0000	4.0178	4.0178	6.0000e-005	8.0000e-005	4.0436
Total	1.2200e-003	5.7500e-003	0.0138	6.0000e-005	6.5400e-003	4.0000e-005	6.5900e-003	1.7600e-003	4.0000e-005	1.8000e-003	0.0000	6.1047	6.1047	1.4000e-004	3.8000e-004	6.2223

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6900e-003	0.0312	0.0763	1.2000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	10.3585	10.3585	4.6000e-004	0.0000	10.3699
Total	5.6900e-003	0.0312	0.0763	1.2000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	10.3585	10.3585	4.6000e-004	0.0000	10.3699

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2400e-003	4.4000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5027	0.5027	2.0000e-005	7.0000e-005	0.5248
Worker	2.5000e-004	1.6000e-004	2.8400e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	0.0000	3.8000e-004	0.0000	0.9737	0.9737	1.0000e-005	2.0000e-005	0.9798
Total	2.8000e-004	1.4000e-003	3.2800e-003	2.0000e-005	1.6000e-003	2.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.4764	1.4764	3.0000e-005	9.0000e-005	1.5046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6900e-003	0.0312	0.0763	1.2000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	10.3585	10.3585	4.6000e-004	0.0000	10.3699
Total	5.6900e-003	0.0312	0.0763	1.2000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	10.3585	10.3585	4.6000e-004	0.0000	10.3699

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3.4 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2400e-003	4.4000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5027	0.5027	2.0000e-005	7.0000e-005	0.5248
Worker	2.5000e-004	1.6000e-004	2.8400e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	0.0000	3.8000e-004	0.0000	0.9737	0.9737	1.0000e-005	2.0000e-005	0.9798
Total	2.8000e-004	1.4000e-003	3.2800e-003	2.0000e-005	1.6000e-003	2.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.4764	1.4764	3.0000e-005	9.0000e-005	1.5046

3.5 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0112	0.0759	0.1700	2.9000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	24.5983	24.5983	9.1000e-004	0.0000	24.6210
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0112	0.0759	0.1700	2.9000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	24.5983	24.5983	9.1000e-004	0.0000	24.6210

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3.5 Paving - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.4000e-004	6.2100e-003	2.0000e-005	3.0600e-003	1.0000e-005	3.0700e-003	8.1000e-004	1.0000e-005	8.2000e-004	0.0000	2.1262	2.1262	3.0000e-005	4.0000e-005	2.1395
Total	5.5000e-004	3.4000e-004	6.2100e-003	2.0000e-005	3.0600e-003	1.0000e-005	3.0700e-003	8.1000e-004	1.0000e-005	8.2000e-004	0.0000	2.1262	2.1262	3.0000e-005	4.0000e-005	2.1395

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0112	0.0759	0.1700	2.9000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	24.5983	24.5983	9.1000e-004	0.0000	24.6209
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0112	0.0759	0.1700	2.9000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	24.5983	24.5983	9.1000e-004	0.0000	24.6209

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.4000e-004	6.2100e-003	2.0000e-005	3.0600e-003	1.0000e-005	3.0700e-003	8.1000e-004	1.0000e-005	8.2000e-004	0.0000	2.1262	2.1262	3.0000e-005	4.0000e-005	2.1395
Total	5.5000e-004	3.4000e-004	6.2100e-003	2.0000e-005	3.0600e-003	1.0000e-005	3.0700e-003	8.1000e-004	1.0000e-005	8.2000e-004	0.0000	2.1262	2.1262	3.0000e-005	4.0000e-005	2.1395

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0274	0.0575	1.0000e-004		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	8.1704	8.1704	3.3000e-004	0.0000	8.1787
Total	0.0237	0.0274	0.0575	1.0000e-004		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	8.1704	8.1704	3.3000e-004	0.0000	8.1787

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2434	0.2434	0.0000	0.0000	0.2450
Total	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2434	0.2434	0.0000	0.0000	0.2450

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0274	0.0575	1.0000e-004		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	8.1704	8.1704	3.3000e-004	0.0000	8.1787
Total	0.0237	0.0274	0.0575	1.0000e-004		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	8.1704	8.1704	3.3000e-004	0.0000	8.1787

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3.6 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2434	0.2434	0.0000	0.0000	0.2450
Total	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2434	0.2434	0.0000	0.0000	0.2450

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.5509	8.5509	7.2000e-004	9.0000e-005	8.5950
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.5509	8.5509	7.2000e-004	9.0000e-005	8.5950
NaturalGas Mitigated	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490
NaturalGas Unmitigated	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	86604	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490
Total		4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490

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					
Elementary School	86604	4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490
Total		4.7000e-004	4.2500e-003	3.5700e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6215	4.6215	9.0000e-005	8.0000e-005	4.6490

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	48216	8.5509	7.2000e-004	9.0000e-005	8.5950
Total		8.5509	7.2000e-004	9.0000e-005	8.5950

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	48216	8.5509	7.2000e-004	9.0000e-005	8.5950
Total		8.5509	7.2000e-004	9.0000e-005	8.5950

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Unmitigated	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-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	1.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0304					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	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Total	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0304					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	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004
Total	0.0323	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	0.0000	2.2000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.7459	6.4900e-003	1.7000e-004	1.9580
Unmitigated	1.8738	8.0900e-003	2.1000e-004	2.1374

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.243574 / 0.626333	1.8738	8.0900e-003	2.1000e-004	2.1374
Total		1.8738	8.0900e-003	2.1000e-004	2.1374

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.194859 / 0.626333	1.7459	6.4900e-003	1.7000e-004	1.9580
Total		1.7459	6.4900e-003	1.7000e-004	1.9580

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.5542	0.0328	0.0000	1.3729
Unmitigated	2.2167	0.1310	0.0000	5.4917

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	10.92	2.2167	0.1310	0.0000	5.4917
Total		2.2167	0.1310	0.0000	5.4917

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	2.73	0.5542	0.0328	0.0000	1.3729
Total		0.5542	0.0328	0.0000	1.3729

9.0 Operational Offroad

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
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11.0 Vegetation

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Franklin Elementary School - Phase-4
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	8.40	1000sqft	0.19	8,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 3 involves construction of new two-story building of approximately 8,400 sq ft.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to import approximately 6500 cubic yards of earthwork materials during Phase-4 construction.

Demolition - Information provided by the applicant.

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113

Water Mitigation - project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	64.00
tblConstructionPhase	NumDays	100.00	391.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	2.00	43.00
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	PhaseEndDate	11/20/2029	3/31/2031
tblConstructionPhase	PhaseEndDate	11/6/2029	3/31/2031
tblConstructionPhase	PhaseEndDate	6/14/2029	7/31/2029
tblConstructionPhase	PhaseEndDate	6/19/2029	9/30/2029
tblConstructionPhase	PhaseEndDate	11/13/2029	4/30/2031
tblConstructionPhase	PhaseStartDate	11/14/2029	1/1/2031

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	6/20/2029	10/1/2029
tblConstructionPhase	PhaseStartDate	6/16/2029	8/1/2029
tblConstructionPhase	PhaseStartDate	11/7/2029	3/1/2031
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	812.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	1.1137	8.7909	14.2131	0.0307	0.4759	0.3545	0.7564	0.1292	0.3262	0.4118	0.0000	2,997.0893	2,997.0893	0.9071	0.1745	3,022.9881
2030	0.1870	1.0180	2.4965	4.2600e-003	0.0511	0.0136	0.0647	0.0137	0.0135	0.0272	0.0000	409.7239	409.7239	0.0169	3.1700e-003	411.0934
2031	1.4729	5.4173	12.5247	0.0217	0.2076	0.0981	0.3057	0.0552	0.0980	0.1532	0.0000	2,073.6830	2,073.6830	0.0764	5.2500e-003	2,077.1592
Maximum	1.4729	8.7909	14.2131	0.0307	0.4759	0.3545	0.7564	0.1292	0.3262	0.4118	0.0000	2,997.0893	2,997.0893	0.9071	0.1745	3,022.9881

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	1.1137	8.7909	14.2131	0.0307	0.4759	0.3545	0.6891	0.1292	0.3262	0.3941	0.0000	2,997.0893	2,997.0893	0.9071	0.1745	3,022.9881
2030	0.1870	1.0180	2.4965	4.2600e-003	0.0511	0.0136	0.0647	0.0137	0.0135	0.0272	0.0000	409.7239	409.7239	0.0169	3.1700e-003	411.0934
2031	1.4729	5.4173	12.5247	0.0217	0.2076	0.0981	0.3057	0.0552	0.0980	0.1532	0.0000	2,073.6830	2,073.6830	0.0764	5.2500e-003	2,077.1591
Maximum	1.4729	8.7909	14.2131	0.0307	0.4759	0.3545	0.6891	0.1292	0.3262	0.3941	0.0000	2,997.0893	2,997.0893	0.9071	0.1745	3,022.9881

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	5.97	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1796	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

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	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1796	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	6/1/2029	7/31/2029	5	43	
2	Grading	Grading	8/1/2029	9/30/2029	5	43	
3	Building Construction	Building Construction	10/1/2029	3/31/2031	5	391	
4	Paving	Paving	3/1/2031	4/30/2031	5	43	
5	Architectural Coating	Architectural Coating	1/1/2031	3/31/2031	5	64	

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: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Skid Steer Loaders	3	8.00	65	0.37
Demolition	Forklifts	2	8.00	89	0.20

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rollers	1	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	37.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	812.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	4.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	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

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1856	0.0000	0.1856	0.0281	0.0000	0.0281			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247		2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.1856	0.3530	0.5386	0.0281	0.3247	0.3528		2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7700e-003	0.1073	0.0321	4.5000e-004	0.0151	6.9000e-004	0.0158	4.1300e-003	6.6000e-004	4.7900e-003		49.3596	49.3596	3.2200e-003	7.8600e-003	51.7810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0228	0.4572	1.5000e-003	0.2012	8.6000e-004	0.2021	0.0534	7.9000e-004	0.0542		161.1186	161.1186	2.6000e-003	2.9600e-003	162.0648
Total	0.0415	0.1301	0.4893	1.9500e-003	0.2163	1.5500e-003	0.2178	0.0575	1.4500e-003	0.0589		210.4783	210.4783	5.8200e-003	0.0108	213.8458

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0688	0.0000	0.0688	0.0104	0.0000	0.0104			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.0688	0.3530	0.4217	0.0104	0.3247	0.3351	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7700e-003	0.1073	0.0321	4.5000e-004	0.0151	6.9000e-004	0.0158	4.1300e-003	6.6000e-004	4.7900e-003		49.3596	49.3596	3.2200e-003	7.8600e-003	51.7810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0228	0.4572	1.5000e-003	0.2012	8.6000e-004	0.2021	0.0534	7.9000e-004	0.0542		161.1186	161.1186	2.6000e-003	2.9600e-003	162.0648
Total	0.0415	0.1301	0.4893	1.9500e-003	0.2163	1.5500e-003	0.2178	0.0575	1.4500e-003	0.0589		210.4783	210.4783	5.8200e-003	0.0108	213.8458

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4440	5.1211	8.1649	0.0119		0.1974	0.1974		0.1816	0.1816		1,150.6707	1,150.6707	0.3722		1,159.9745
Total	0.4440	5.1211	8.1649	0.0119	0.0000	0.1974	0.1974	0.0000	0.1816	0.1816		1,150.6707	1,150.6707	0.3722		1,159.9745

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0389	2.3539	0.7054	9.7800e-003	0.3306	0.0152	0.3458	0.0906	0.0146	0.1052		1,083.2435	1,083.2435	0.0706	0.1724	1,136.3834
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0165	0.3302	1.0800e-003	0.1453	6.2000e-004	0.1459	0.0385	5.7000e-004	0.0391		116.3635	116.3635	1.8800e-003	2.1400e-003	117.0468
Total	0.0675	2.3704	1.0356	0.0109	0.4759	0.0159	0.4918	0.1292	0.0151	0.1443		1,199.6069	1,199.6069	0.0725	0.1745	1,253.4302

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4440	5.1211	8.1649	0.0119		0.1974	0.1974		0.1816	0.1816	0.0000	1,150.6707	1,150.6707	0.3722		1,159.9745
Total	0.4440	5.1211	8.1649	0.0119	0.0000	0.1974	0.1974	0.0000	0.1816	0.1816	0.0000	1,150.6707	1,150.6707	0.3722		1,159.9745

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0389	2.3539	0.7054	9.7800e-003	0.3306	0.0152	0.3458	0.0906	0.0146	0.1052		1,083.2435	1,083.2435	0.0706	0.1724	1,136.3834
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0165	0.3302	1.0800e-003	0.1453	6.2000e-004	0.1459	0.0385	5.7000e-004	0.0391		116.3635	116.3635	1.8800e-003	2.1400e-003	117.0468
Total	0.0675	2.3704	1.0356	0.0109	0.4759	0.0159	0.4918	0.1292	0.0151	0.1443		1,199.6069	1,199.6069	0.0725	0.1745	1,253.4302

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0000e-003	0.0372	0.0137	1.7000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.9397	17.9397	6.9000e-004	2.5900e-003	18.7286
Worker	8.8200e-003	5.0700e-003	0.1016	3.3000e-004	0.0447	1.9000e-004	0.0449	0.0119	1.8000e-004	0.0120		35.8041	35.8041	5.8000e-004	6.6000e-004	36.0144
Total	9.8200e-003	0.0423	0.1153	5.0000e-004	0.0511	3.8000e-004	0.0515	0.0137	3.6000e-004	0.0141		53.7439	53.7439	1.2700e-003	3.2500e-003	54.7430

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.0000e-003	0.0372	0.0137	1.7000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.9397	17.9397	6.9000e-004	2.5900e-003	18.7286
Worker	8.8200e-003	5.0700e-003	0.1016	3.3000e-004	0.0447	1.9000e-004	0.0449	0.0119	1.8000e-004	0.0120		35.8041	35.8041	5.8000e-004	6.6000e-004	36.0144
Total	9.8200e-003	0.0423	0.1153	5.0000e-004	0.0511	3.8000e-004	0.0515	0.0137	3.6000e-004	0.0141		53.7439	53.7439	1.2700e-003	3.2500e-003	54.7430

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.8000e-004	0.0370	0.0137	1.6000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.6131	17.6131	7.0000e-004	2.5400e-003	18.3882
Worker	8.3200e-003	4.7100e-003	0.0975	3.3000e-004	0.0447	1.8000e-004	0.0449	0.0119	1.6000e-004	0.0120		35.2892	35.2892	5.3000e-004	6.3000e-004	35.4913
Total	9.3000e-003	0.0417	0.1112	4.9000e-004	0.0511	3.7000e-004	0.0515	0.0137	3.4000e-004	0.0141		52.9023	52.9023	1.2300e-003	3.1700e-003	53.8794

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.8000e-004	0.0370	0.0137	1.6000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.6131	17.6131	7.0000e-004	2.5400e-003	18.3882
Worker	8.3200e-003	4.7100e-003	0.0975	3.3000e-004	0.0447	1.8000e-004	0.0449	0.0119	1.6000e-004	0.0120		35.2892	35.2892	5.3000e-004	6.3000e-004	35.4913
Total	9.3000e-003	0.0417	0.1112	4.9000e-004	0.0511	3.7000e-004	0.0515	0.0137	3.4000e-004	0.0141		52.9023	52.9023	1.2300e-003	3.1700e-003	53.8794

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.7000e-004	0.0368	0.0136	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3015	17.3015	7.0000e-004	2.5000e-003	18.0633
Worker	7.8200e-003	4.3800e-003	0.0940	3.2000e-004	0.0447	1.7000e-004	0.0449	0.0119	1.6000e-004	0.0120		34.8773	34.8773	5.0000e-004	6.1000e-004	35.0722
Total	8.7900e-003	0.0412	0.1077	4.8000e-004	0.0511	3.6000e-004	0.0515	0.0137	3.4000e-004	0.0140		52.1788	52.1788	1.2000e-003	3.1100e-003	53.1356

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.7000e-004	0.0368	0.0136	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3015	17.3015	7.0000e-004	2.5000e-003	18.0633
Worker	7.8200e-003	4.3800e-003	0.0940	3.2000e-004	0.0447	1.7000e-004	0.0449	0.0119	1.6000e-004	0.0120		34.8773	34.8773	5.0000e-004	6.1000e-004	35.0722
Total	8.7900e-003	0.0412	0.1077	4.8000e-004	0.0511	3.6000e-004	0.0515	0.0137	3.4000e-004	0.0140		52.1788	52.1788	1.2000e-003	3.1100e-003	53.1356

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637		1,261.1639	1,261.1639	0.0464		1,262.3239
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637		1,261.1639	1,261.1639	0.0464		1,262.3239

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0254	0.0142	0.3056	1.0400e-003	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		113.3514	113.3514	1.6100e-003	1.9900e-003	113.9848
Total	0.0254	0.0142	0.3056	1.0400e-003	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		113.3514	113.3514	1.6100e-003	1.9900e-003	113.9848

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637	0.0000	1,261.1639	1,261.1639	0.0464		1,262.3239
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637	0.0000	1,261.1639	1,261.1639	0.0464		1,262.3239

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0254	0.0142	0.3056	1.0400e-003	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		113.3514	113.3514	1.6100e-003	1.9900e-003	113.9848
Total	0.0254	0.0142	0.3056	1.0400e-003	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		113.3514	113.3514	1.6100e-003	1.9900e-003	113.9848

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.6083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	0.7391	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.9600e-003	1.1000e-003	0.0235	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.7193	8.7193	1.2000e-004	1.5000e-004	8.7681
Total	1.9600e-003	1.1000e-003	0.0235	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.7193	8.7193	1.2000e-004	1.5000e-004	8.7681

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.6083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	0.7391	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.9600e-003	1.1000e-003	0.0235	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.7193	8.7193	1.2000e-004	1.5000e-004	8.7681
Total	1.9600e-003	1.1000e-003	0.0235	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.7193	8.7193	1.2000e-004	1.5000e-004	8.7681

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
NaturalGas Unmitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

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					
Elementary School	237.271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.237271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Unmitigated	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-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	0.0107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Franklin Elementary School - Phase-4
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	8.40	1000sqft	0.19	8,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 3 involves construction of new two-story building of approximately 8,400 sq ft.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to import approximately 6500 cubic yards of earthwork materials during Phase-4 construction.

Demolition - Information provided by the applicant.

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113

Water Mitigation - project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	64.00
tblConstructionPhase	NumDays	100.00	391.00
tblConstructionPhase	NumDays	10.00	43.00
tblConstructionPhase	NumDays	2.00	43.00
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	PhaseEndDate	11/20/2029	3/31/2031
tblConstructionPhase	PhaseEndDate	11/6/2029	3/31/2031
tblConstructionPhase	PhaseEndDate	6/14/2029	7/31/2029
tblConstructionPhase	PhaseEndDate	6/19/2029	9/30/2029
tblConstructionPhase	PhaseEndDate	11/13/2029	4/30/2031
tblConstructionPhase	PhaseStartDate	11/14/2029	1/1/2031

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	6/20/2029	10/1/2029
tblConstructionPhase	PhaseStartDate	6/16/2029	8/1/2029
tblConstructionPhase	PhaseStartDate	11/7/2029	3/1/2031
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	812.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	1.1174	8.7980	14.1780	0.0307	0.4759	0.3545	0.7564	0.1292	0.3262	0.4118	0.0000	2,988.7158	2,988.7158	0.9071	0.1749	3,014.6769
2030	0.1878	1.0203	2.4893	4.2400e-003	0.0511	0.0136	0.0647	0.0137	0.0135	0.0272	0.0000	407.9108	407.9108	0.0170	3.2300e-003	409.2950
2031	1.4763	5.4211	12.4924	0.0216	0.2076	0.0981	0.3057	0.0552	0.0980	0.1532	0.0000	2,065.5006	2,065.5006	0.0765	5.4300e-003	2,069.0340
Maximum	1.4763	8.7980	14.1780	0.0307	0.4759	0.3545	0.7564	0.1292	0.3262	0.4118	0.0000	2,988.7158	2,988.7158	0.9071	0.1749	3,014.6769

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	1.1174	8.7980	14.1780	0.0307	0.4759	0.3545	0.6891	0.1292	0.3262	0.3941	0.0000	2,988.7158	2,988.7158	0.9071	0.1749	3,014.6769
2030	0.1878	1.0203	2.4893	4.2400e-003	0.0511	0.0136	0.0647	0.0137	0.0135	0.0272	0.0000	407.9108	407.9108	0.0170	3.2300e-003	409.2950
2031	1.4763	5.4211	12.4924	0.0216	0.2076	0.0981	0.3057	0.0552	0.0980	0.1532	0.0000	2,065.5006	2,065.5006	0.0765	5.4300e-003	2,069.0339
Maximum	1.4763	8.7980	14.1780	0.0307	0.4759	0.3545	0.6891	0.1292	0.3262	0.3941	0.0000	2,988.7158	2,988.7158	0.9071	0.1749	3,014.6769

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1796	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

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	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Energy	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
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	0.1796	0.0233	0.0204	1.4000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.7700e-003	1.7700e-003		27.9161	27.9161	5.4000e-004	5.1000e-004	28.0821

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	6/1/2029	7/31/2029	5	43	
2	Grading	Grading	8/1/2029	9/30/2029	5	43	
3	Building Construction	Building Construction	10/1/2029	3/31/2031	5	391	
4	Paving	Paving	3/1/2031	4/30/2031	5	43	
5	Architectural Coating	Architectural Coating	1/1/2031	3/31/2031	5	64	

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: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	4	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Skid Steer Loaders	3	8.00	65	0.37
Demolition	Forklifts	2	8.00	89	0.20

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rollers	1	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	37.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	812.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	4.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	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

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1856	0.0000	0.1856	0.0281	0.0000	0.0281			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247		2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.1856	0.3530	0.5386	0.0281	0.3247	0.3528		2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6500e-003	0.1120	0.0325	4.5000e-004	0.0151	7.0000e-004	0.0158	4.1300e-003	6.7000e-004	4.8000e-003		49.4155	49.4155	3.2100e-003	7.8600e-003	51.8394
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0252	0.4217	1.4200e-003	0.2012	8.6000e-004	0.2021	0.0534	7.9000e-004	0.0542		152.6892	152.6892	2.6500e-003	3.1500e-003	153.6953
Total	0.0451	0.1372	0.4542	1.8700e-003	0.2163	1.5600e-003	0.2178	0.0575	1.4600e-003	0.0590		202.1047	202.1047	5.8600e-003	0.0110	205.5347

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0688	0.0000	0.0688	0.0104	0.0000	0.0104			0.0000			0.0000
Off-Road	1.0723	8.6608	13.7238	0.0288		0.3530	0.3530		0.3247	0.3247	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3
Total	1.0723	8.6608	13.7238	0.0288	0.0688	0.3530	0.4217	0.0104	0.3247	0.3351	0.0000	2,786.611 1	2,786.611 1	0.9013		2,809.142 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6500e-003	0.1120	0.0325	4.5000e-004	0.0151	7.0000e-004	0.0158	4.1300e-003	6.7000e-004	4.8000e-003		49.4155	49.4155	3.2100e-003	7.8600e-003	51.8394
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0252	0.4217	1.4200e-003	0.2012	8.6000e-004	0.2021	0.0534	7.9000e-004	0.0542		152.6892	152.6892	2.6500e-003	3.1500e-003	153.6953
Total	0.0451	0.1372	0.4542	1.8700e-003	0.2163	1.5600e-003	0.2178	0.0575	1.4600e-003	0.0590		202.1047	202.1047	5.8600e-003	0.0110	205.5347

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4440	5.1211	8.1649	0.0119		0.1974	0.1974		0.1816	0.1816		1,150.6707	1,150.6707	0.3722		1,159.9745
Total	0.4440	5.1211	8.1649	0.0119	0.0000	0.1974	0.1974	0.0000	0.1816	0.1816		1,150.6707	1,150.6707	0.3722		1,159.9745

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0362	2.4589	0.7140	9.7900e-003	0.3306	0.0153	0.3459	0.0906	0.0146	0.1052		1,084.4691	1,084.4691	0.0704	0.1726	1,137.6649
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0314	0.0182	0.3045	1.0300e-003	0.1453	6.2000e-004	0.1459	0.0385	5.7000e-004	0.0391		110.2756	110.2756	1.9200e-003	2.2800e-003	111.0021
Total	0.0676	2.4771	1.0185	0.0108	0.4759	0.0159	0.4918	0.1292	0.0152	0.1444		1,194.7447	1,194.7447	0.0724	0.1749	1,248.6670

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4440	5.1211	8.1649	0.0119		0.1974	0.1974		0.1816	0.1816	0.0000	1,150.6707	1,150.6707	0.3722		1,159.9745
Total	0.4440	5.1211	8.1649	0.0119	0.0000	0.1974	0.1974	0.0000	0.1816	0.1816	0.0000	1,150.6707	1,150.6707	0.3722		1,159.9745

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0362	2.4589	0.7140	9.7900e-003	0.3306	0.0153	0.3459	0.0906	0.0146	0.1052		1,084.4691	1,084.4691	0.0704	0.1726	1,137.6649
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0314	0.0182	0.3045	1.0300e-003	0.1453	6.2000e-004	0.1459	0.0385	5.7000e-004	0.0391		110.2756	110.2756	1.9200e-003	2.2800e-003	111.0021
Total	0.0676	2.4771	1.0185	0.0108	0.4759	0.0159	0.4918	0.1292	0.0152	0.1444		1,194.7447	1,194.7447	0.0724	0.1749	1,248.6670

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806		296.0617	296.0617	0.0958		298.4555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.5000e-004	0.0390	0.0142	1.7000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.9730	17.9730	6.9000e-004	2.6000e-003	18.7637
Worker	9.6600e-003	5.5900e-003	0.0937	3.2000e-004	0.0447	1.9000e-004	0.0449	0.0119	1.8000e-004	0.0120		33.9309	33.9309	5.9000e-004	7.0000e-004	34.1545
Total	0.0106	0.0446	0.1079	4.9000e-004	0.0511	3.8000e-004	0.0515	0.0137	3.6000e-004	0.0141		51.9039	51.9039	1.2800e-003	3.3000e-003	52.9182

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555
Total	0.1738	1.6371	2.2675	3.0600e-003		0.0876	0.0876		0.0806	0.0806	0.0000	296.0617	296.0617	0.0958		298.4555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.5000e-004	0.0390	0.0142	1.7000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.9730	17.9730	6.9000e-004	2.6000e-003	18.7637
Worker	9.6600e-003	5.5900e-003	0.0937	3.2000e-004	0.0447	1.9000e-004	0.0449	0.0119	1.8000e-004	0.0120		33.9309	33.9309	5.9000e-004	7.0000e-004	34.1545
Total	0.0106	0.0446	0.1079	4.9000e-004	0.0511	3.8000e-004	0.0515	0.0137	3.6000e-004	0.0141		51.9039	51.9039	1.2800e-003	3.3000e-003	52.9182

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.4000e-004	0.0387	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.6460	17.6460	7.0000e-004	2.5500e-003	18.4230
Worker	9.1300e-003	5.1900e-003	0.0900	3.1000e-004	0.0447	1.8000e-004	0.0449	0.0119	1.6000e-004	0.0120		33.4432	33.4432	5.5000e-004	6.8000e-004	33.6580
Total	0.0101	0.0439	0.1040	4.7000e-004	0.0511	3.7000e-004	0.0515	0.0137	3.4000e-004	0.0141		51.0892	51.0892	1.2500e-003	3.2300e-003	52.0810

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.4000e-004	0.0387	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.6000e-003	1.8400e-003	1.8000e-004	2.0300e-003		17.6460	17.6460	7.0000e-004	2.5500e-003	18.4230
Worker	9.1300e-003	5.1900e-003	0.0900	3.1000e-004	0.0447	1.8000e-004	0.0449	0.0119	1.6000e-004	0.0120		33.4432	33.4432	5.5000e-004	6.8000e-004	33.6580
Total	0.0101	0.0439	0.1040	4.7000e-004	0.0511	3.7000e-004	0.0515	0.0137	3.4000e-004	0.0141		51.0892	51.0892	1.2500e-003	3.2300e-003	52.0810

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.3000e-004	0.0385	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3342	17.3342	7.0000e-004	2.5000e-003	18.0980
Worker	8.6000e-003	4.8300e-003	0.0867	3.0000e-004	0.0447	1.7000e-004	0.0449	0.0119	1.6000e-004	0.0120		33.0517	33.0517	5.1000e-004	6.5000e-004	33.2590
Total	9.5300e-003	0.0434	0.1008	4.6000e-004	0.0511	3.6000e-004	0.0515	0.0137	3.4000e-004	0.0140		50.3860	50.3860	1.2100e-003	3.1500e-003	51.3569

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.3000e-004	0.0385	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3342	17.3342	7.0000e-004	2.5000e-003	18.0980
Worker	8.6000e-003	4.8300e-003	0.0867	3.0000e-004	0.0447	1.7000e-004	0.0449	0.0119	1.6000e-004	0.0120		33.0517	33.0517	5.1000e-004	6.5000e-004	33.2590
Total	9.5300e-003	0.0434	0.1008	4.6000e-004	0.0511	3.6000e-004	0.0515	0.0137	3.4000e-004	0.0140		50.3860	50.3860	1.2100e-003	3.1500e-003	51.3569

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637		1,261.1639	1,261.1639	0.0464		1,262.3239
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637		1,261.1639	1,261.1639	0.0464		1,262.3239

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0280	0.0157	0.2819	9.9000e-004	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		107.4182	107.4182	1.6500e-003	2.1200e-003	108.0916
Total	0.0280	0.0157	0.2819	9.9000e-004	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		107.4182	107.4182	1.6500e-003	2.1200e-003	108.0916

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637	0.0000	1,261.1639	1,261.1639	0.0464		1,262.3239
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5199	3.5282	7.9050	0.0133		0.0637	0.0637		0.0637	0.0637	0.0000	1,261.1639	1,261.1639	0.0464		1,262.3239

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0280	0.0157	0.2819	9.9000e-004	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		107.4182	107.4182	1.6500e-003	2.1200e-003	108.0916
Total	0.0280	0.0157	0.2819	9.9000e-004	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		107.4182	107.4182	1.6500e-003	2.1200e-003	108.0916

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.6083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	0.7391	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	2.1500e-003	1.2100e-003	0.0217	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.2629	8.2629	1.3000e-004	1.6000e-004	8.3147
Total	2.1500e-003	1.2100e-003	0.0217	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.2629	8.2629	1.3000e-004	1.6000e-004	8.3147

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.6083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	0.7391	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	2.1500e-003	1.2100e-003	0.0217	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.2629	8.2629	1.3000e-004	1.6000e-004	8.3147
Total	2.1500e-003	1.2100e-003	0.0217	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.2629	8.2629	1.3000e-004	1.6000e-004	8.3147

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.527779	0.068094	0.194118	0.126693	0.024448	0.007090	0.011744	0.007802	0.000938	0.000564	0.026705	0.000730	0.003294

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
NaturalGas Unmitigated	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

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					
Elementary School	237.271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.237271	2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801
Total		2.5600e-003	0.0233	0.0195	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003		27.9143	27.9143	5.4000e-004	5.1000e-004	28.0801

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Unmitigated	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-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	0.0107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003
Total	0.1771	1.0000e-005	8.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8400e-003	1.8400e-003	0.0000		1.9600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Franklin Elementary School - Phase-4 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Frankline Elementary School - Phase-5

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	7.39	1000sqft	0.17	7,390.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 5 involves demolition of the existing cafeteria and construction of a new cafeteria and culinary education building, and outdoor dining area of approximately 7,390 sq ft.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to export approximately 600 cubic yards of earthwork materials during Phase-5 construction.

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Information provided by the applicant.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	66.00
tblConstructionPhase	NumDays	100.00	326.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	PhaseEndDate	11/19/2031	12/31/2032
tblConstructionPhase	PhaseEndDate	11/5/2031	10/31/2032
tblConstructionPhase	PhaseEndDate	6/13/2031	8/31/2031
tblConstructionPhase	PhaseEndDate	6/18/2031	8/31/2031
tblConstructionPhase	PhaseEndDate	11/12/2031	11/30/2032

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	11/13/2031	10/1/2032
tblConstructionPhase	PhaseStartDate	6/19/2031	8/1/2031
tblConstructionPhase	PhaseStartDate	6/17/2031	7/1/2031
tblConstructionPhase	PhaseStartDate	11/6/2031	10/1/2032
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	75.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	0.0718	0.3331	0.8329	1.7300e-003	0.0164	7.5200e-003	0.0239	3.9400e-003	7.5200e-003	0.0115	0.0000	157.5763	157.5763	5.9400e-003	7.2000e-004	157.9383
2032	0.0492	0.1884	0.4375	7.4000e-004	6.5000e-003	3.2100e-003	9.7100e-003	1.7400e-003	3.2100e-003	4.9500e-003	0.0000	64.5602	64.5602	2.6100e-003	3.2000e-004	64.7207
Maximum	0.0718	0.3331	0.8329	1.7300e-003	0.0164	7.5200e-003	0.0239	3.9400e-003	7.5200e-003	0.0115	0.0000	157.5763	157.5763	5.9400e-003	7.2000e-004	157.9383

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	0.0718	0.3331	0.8329	1.7300e-003	0.0140	7.5200e-003	0.0215	3.5900e-003	7.5200e-003	0.0111	0.0000	157.5761	157.5761	5.9400e-003	7.2000e-004	157.9381
2032	0.0492	0.1884	0.4375	7.4000e-004	6.5000e-003	3.2100e-003	9.7100e-003	1.7400e-003	3.2100e-003	4.9500e-003	0.0000	64.5602	64.5602	2.6100e-003	3.2000e-004	64.7207
Maximum	0.0718	0.3331	0.8329	1.7300e-003	0.0140	7.5200e-003	0.0215	3.5900e-003	7.5200e-003	0.0111	0.0000	157.5761	157.5761	5.9400e-003	7.2000e-004	157.9381

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	10.31	0.00	7.02	6.16	0.00	2.07	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	6-1-2031	8-31-2031	0.3553	0.3553
2	9-1-2031	11-30-2031	0.0391	0.0391
3	12-1-2031	2-29-2032	0.0391	0.0391
4	3-1-2032	5-31-2032	0.0395	0.0395
5	6-1-2032	8-31-2032	0.0394	0.0394
6	9-1-2032	9-30-2032	0.0129	0.0129
		Highest	0.3553	0.3553

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0284	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Energy	4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	11.5886	11.5886	7.1000e-004	1.5000e-004	11.6516
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	1.9507	0.0000	1.9507	0.1153	0.0000	4.8329
Water						0.0000	0.0000		0.0000	0.0000	0.0680	1.5805	1.6485	7.1200e-003	1.8000e-004	1.8804
Total	0.0288	3.7300e-003	3.2300e-003	2.0000e-005	0.0000	2.8000e-004	2.8000e-004	0.0000	2.8000e-004	2.8000e-004	2.0187	13.1693	15.1880	0.1231	3.3000e-004	18.3650

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

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	0.0284	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Energy	4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	11.5886	11.5886	7.1000e-004	1.5000e-004	11.6516
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.4877	0.0000	0.4877	0.0288	0.0000	1.2082
Water						0.0000	0.0000		0.0000	0.0000	0.0544	1.4816	1.5359	5.7100e-003	1.5000e-004	1.7225
Total	0.0288	3.7300e-003	3.2300e-003	2.0000e-005	0.0000	2.8000e-004	2.8000e-004	0.0000	2.8000e-004	2.8000e-004	0.5421	13.0703	13.6124	0.0352	3.0000e-004	14.5825

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.15	0.75	10.37	71.38	9.09	20.60

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	6/1/2031	8/31/2031	5	65	
2	Grading	Grading	7/1/2031	8/31/2031	5	44	
3	Building Construction	Building Construction	8/1/2031	10/31/2032	5	326	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	10/1/2032	11/30/2032	5	43
5	Architectural Coating	Architectural Coating	10/1/2032	12/31/2032	5	66

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: 11,085; Non-Residential Outdoor: 3,695; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Forklifts	2	8.00	89	0.20
Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rollers	3	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	35.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	75.00	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 Applied

Building Construction	2	3.00	1.00	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

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7600e-003	0.0000	3.7600e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.1640	0.4637	1.0600e-003		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	98.2264	98.2264	3.4900e-003	0.0000	98.3136
Total	0.0435	0.1640	0.4637	1.0600e-003	3.7600e-003	3.7900e-003	7.5500e-003	5.7000e-004	3.7900e-003	4.3600e-003	0.0000	98.2264	98.2264	3.4900e-003	0.0000	98.3136

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	2.2600e-003	6.7000e-004	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	8.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8745	0.8745	6.0000e-005	1.4000e-004	0.9175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	7.2000e-004	0.0130	5.0000e-005	6.4100e-003	2.0000e-005	6.4400e-003	1.7000e-003	2.0000e-005	1.7300e-003	0.0000	4.4501	4.4501	7.0000e-005	9.0000e-005	4.4780
Total	1.1700e-003	2.9800e-003	0.0137	6.0000e-005	6.7100e-003	3.0000e-005	6.7500e-003	1.7800e-003	3.0000e-005	1.8300e-003	0.0000	5.3245	5.3245	1.3000e-004	2.3000e-004	5.3954

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3900e-003	0.0000	1.3900e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.1640	0.4637	1.0600e-003		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	98.2263	98.2263	3.4900e-003	0.0000	98.3135
Total	0.0435	0.1640	0.4637	1.0600e-003	1.3900e-003	3.7900e-003	5.1800e-003	2.2000e-004	3.7900e-003	4.0100e-003	0.0000	98.2263	98.2263	3.4900e-003	0.0000	98.3135

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3.2 Demolition - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	2.2600e-003	6.7000e-004	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	8.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8745	0.8745	6.0000e-005	1.4000e-004	0.9175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	7.2000e-004	0.0130	5.0000e-005	6.4100e-003	2.0000e-005	6.4400e-003	1.7000e-003	2.0000e-005	1.7300e-003	0.0000	4.4501	4.4501	7.0000e-005	9.0000e-005	4.4780
Total	1.1700e-003	2.9800e-003	0.0137	6.0000e-005	6.7100e-003	3.0000e-005	6.7500e-003	1.7800e-003	3.0000e-005	1.8300e-003	0.0000	5.3245	5.3245	1.3000e-004	2.3000e-004	5.3954

3.3 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0164	0.1054	0.2134	3.5000e-004		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	30.2342	30.2342	1.3300e-003	0.0000	30.2675
Total	0.0164	0.1054	0.2134	3.5000e-004	0.0000	2.9100e-003	2.9100e-003	0.0000	2.9100e-003	2.9100e-003	0.0000	30.2342	30.2342	1.3300e-003	0.0000	30.2675

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3.3 Grading - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	4.8400e-003	1.4300e-003	2.0000e-005	6.5000e-004	3.0000e-005	6.7000e-004	1.8000e-004	3.0000e-005	2.1000e-004	0.0000	1.8738	1.8738	1.3000e-004	3.0000e-004	1.9660
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	6.3600e-003	2.0000e-005	3.1300e-003	1.0000e-005	3.1500e-003	8.3000e-004	1.0000e-005	8.4000e-004	0.0000	2.1756	2.1756	3.0000e-005	4.0000e-005	2.1892
Total	6.3000e-004	5.1900e-003	7.7900e-003	4.0000e-005	3.7800e-003	4.0000e-005	3.8200e-003	1.0100e-003	4.0000e-005	1.0500e-003	0.0000	4.0494	4.0494	1.6000e-004	3.4000e-004	4.1552

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0164	0.1054	0.2134	3.5000e-004		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	30.2342	30.2342	1.3300e-003	0.0000	30.2675
Total	0.0164	0.1054	0.2134	3.5000e-004	0.0000	2.9100e-003	2.9100e-003	0.0000	2.9100e-003	2.9100e-003	0.0000	30.2342	30.2342	1.3300e-003	0.0000	30.2675

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3.3 Grading - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	4.8400e-003	1.4300e-003	2.0000e-005	6.5000e-004	3.0000e-005	6.7000e-004	1.8000e-004	3.0000e-005	2.1000e-004	0.0000	1.8738	1.8738	1.3000e-004	3.0000e-004	1.9660
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	6.3600e-003	2.0000e-005	3.1300e-003	1.0000e-005	3.1500e-003	8.3000e-004	1.0000e-005	8.4000e-004	0.0000	2.1756	2.1756	3.0000e-005	4.0000e-005	2.1892
Total	6.3000e-004	5.1900e-003	7.7900e-003	4.0000e-005	3.7800e-003	4.0000e-005	3.8200e-003	1.0100e-003	4.0000e-005	1.0500e-003	0.0000	4.0494	4.0494	1.6000e-004	3.4000e-004	4.1552

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6800e-003	0.0532	0.1300	2.1000e-004		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	17.6418	17.6418	7.8000e-004	0.0000	17.6612
Total	9.6800e-003	0.0532	0.1300	2.1000e-004		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	17.6418	17.6418	7.8000e-004	0.0000	17.6612

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.1000e-003	7.5000e-004	1.0000e-005	3.4000e-004	1.0000e-005	3.5000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.8561	0.8561	3.0000e-005	1.2000e-004	0.8938
Worker	3.2000e-004	2.0000e-004	3.6300e-003	1.0000e-005	1.7900e-003	1.0000e-005	1.8000e-003	4.8000e-004	1.0000e-005	4.8000e-004	0.0000	1.2437	1.2437	2.0000e-005	2.0000e-005	1.2515
Total	3.7000e-004	2.3000e-003	4.3800e-003	2.0000e-005	2.1300e-003	2.0000e-005	2.1500e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.0998	2.0998	5.0000e-005	1.4000e-004	2.1453

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.6800e-003	0.0532	0.1300	2.1000e-004		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	17.6418	17.6418	7.8000e-004	0.0000	17.6612
Total	9.6800e-003	0.0532	0.1300	2.1000e-004		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	17.6418	17.6418	7.8000e-004	0.0000	17.6612

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3.4 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.1000e-003	7.5000e-004	1.0000e-005	3.4000e-004	1.0000e-005	3.5000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.8561	0.8561	3.0000e-005	1.2000e-004	0.8938
Worker	3.2000e-004	2.0000e-004	3.6300e-003	1.0000e-005	1.7900e-003	1.0000e-005	1.8000e-003	4.8000e-004	1.0000e-005	4.8000e-004	0.0000	1.2437	1.2437	2.0000e-005	2.0000e-005	1.2515
Total	3.7000e-004	2.3000e-003	4.3800e-003	2.0000e-005	2.1300e-003	2.0000e-005	2.1500e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.0998	2.0998	5.0000e-005	1.4000e-004	2.1453

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1059	0.2588	4.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	35.1218	35.1218	1.5500e-003	0.0000	35.1604
Total	0.0193	0.1059	0.2588	4.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	35.1218	35.1218	1.5500e-003	0.0000	35.1604

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3.4 Building Construction - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	4.1700e-003	1.5000e-003	2.0000e-005	6.8000e-004	2.0000e-005	7.0000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	1.6772	1.6772	7.0000e-005	2.4000e-004	1.7512
Worker	6.0000e-004	3.8000e-004	6.9900e-003	2.0000e-005	3.5700e-003	1.0000e-005	3.5800e-003	9.5000e-004	1.0000e-005	9.6000e-004	0.0000	2.4476	2.4476	3.0000e-005	5.0000e-005	2.4626
Total	7.0000e-004	4.5500e-003	8.4900e-003	4.0000e-005	4.2500e-003	3.0000e-005	4.2800e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	4.1249	4.1249	1.0000e-004	2.9000e-004	4.2138

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0193	0.1059	0.2588	4.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	35.1218	35.1218	1.5500e-003	0.0000	35.1604
Total	0.0193	0.1059	0.2588	4.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	35.1218	35.1218	1.5500e-003	0.0000	35.1604

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3.4 Building Construction - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	4.1700e-003	1.5000e-003	2.0000e-005	6.8000e-004	2.0000e-005	7.0000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	1.6772	1.6772	7.0000e-005	2.4000e-004	1.7512
Worker	6.0000e-004	3.8000e-004	6.9900e-003	2.0000e-005	3.5700e-003	1.0000e-005	3.5800e-003	9.5000e-004	1.0000e-005	9.6000e-004	0.0000	2.4476	2.4476	3.0000e-005	5.0000e-005	2.4626
Total	7.0000e-004	4.5500e-003	8.4900e-003	4.0000e-005	4.2500e-003	3.0000e-005	4.2800e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	4.1249	4.1249	1.0000e-004	2.9000e-004	4.2138

3.5 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3500e-003	0.0494	0.1065	1.8000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	15.3464	15.3464	6.0000e-004	0.0000	15.3613
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.3500e-003	0.0494	0.1065	1.8000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	15.3464	15.3464	6.0000e-004	0.0000	15.3613

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3.5 Paving - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	3.6900e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2934	1.2934	2.0000e-005	3.0000e-005	1.3013
Total	3.2000e-004	2.0000e-004	3.6900e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2934	1.2934	2.0000e-005	3.0000e-005	1.3013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.3500e-003	0.0494	0.1065	1.8000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	15.3463	15.3463	6.0000e-004	0.0000	15.3613
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.3500e-003	0.0494	0.1065	1.8000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	15.3463	15.3463	6.0000e-004	0.0000	15.3613

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3.5 Paving - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	3.6900e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2934	1.2934	2.0000e-005	3.0000e-005	1.3013
Total	3.2000e-004	2.0000e-004	3.6900e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2934	1.2934	2.0000e-005	3.0000e-005	1.3013

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3100e-003	0.0283	0.0593	1.0000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	8.4257	8.4257	3.4000e-004	0.0000	8.4343
Total	0.0214	0.0283	0.0593	1.0000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	8.4257	8.4257	3.4000e-004	0.0000	8.4343

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3.6 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2482	0.2482	0.0000	0.0000	0.2497
Total	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2482	0.2482	0.0000	0.0000	0.2497

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3100e-003	0.0283	0.0593	1.0000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	8.4257	8.4257	3.4000e-004	0.0000	8.4343
Total	0.0214	0.0283	0.0593	1.0000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	8.4257	8.4257	3.4000e-004	0.0000	8.4343

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3.6 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2482	0.2482	0.0000	0.0000	0.2497
Total	6.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2482	0.2482	0.0000	0.0000	0.2497

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7.5228	7.5228	6.3000e-004	8.0000e-005	7.5616
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7.5228	7.5228	6.3000e-004	8.0000e-005	7.5616
NaturalGas Mitigated	4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0658	4.0658	8.0000e-005	7.0000e-005	4.0900
NaturalGas Unmitigated	4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0658	4.0658	8.0000e-005	7.0000e-005	4.0900

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	76190.9	4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0658	4.0658	8.0000e-005	7.0000e-005	4.0900
Total		4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0658	4.0658	8.0000e-005	7.0000e-005	4.0900

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					
Elementary School	76190.9	4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0658	4.0658	8.0000e-005	7.0000e-005	4.0900
Total		4.1000e-004	3.7300e-003	3.1400e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0658	4.0658	8.0000e-005	7.0000e-005	4.0900

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	42418.6	7.5228	6.3000e-004	8.0000e-005	7.5616
Total		7.5228	6.3000e-004	8.0000e-005	7.5616

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	42418.6	7.5228	6.3000e-004	8.0000e-005	7.5616
Total		7.5228	6.3000e-004	8.0000e-005	7.5616

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0284	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Unmitigated	0.0284	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-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	1.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0267					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	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Total	0.0284	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0267					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	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Total	0.0284	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.5359	5.7100e-003	1.5000e-004	1.7225
Unmitigated	1.6485	7.1200e-003	1.8000e-004	1.8804

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.214287 / 0.551024	1.6485	7.1200e-003	1.8000e-004	1.8804
Total		1.6485	7.1200e-003	1.8000e-004	1.8804

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.17143 / 0.551024	1.5359	5.7100e-003	1.5000e-004	1.7225
Total		1.5359	5.7100e-003	1.5000e-004	1.7225

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.4877	0.0288	0.0000	1.2082
Unmitigated	1.9507	0.1153	0.0000	4.8329

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	9.61	1.9507	0.1153	0.0000	4.8329
Total		1.9507	0.1153	0.0000	4.8329

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	2.4025	0.4877	0.0288	0.0000	1.2082
Total		0.4877	0.0288	0.0000	1.2082

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Frankline Elementary School - Phase-5
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	7.39	1000sqft	0.17	7,390.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 5 involves demolition of the existing cafeteria and construction of a new cafeteria and culinary education building, and outdoor dining area of approximately 7,390 sq ft.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to export approximately 600 cubic yards of earthwork materials during Phase-5 construction.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Information provided by the applicant.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	66.00
tblConstructionPhase	NumDays	100.00	326.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	PhaseEndDate	11/19/2031	12/31/2032
tblConstructionPhase	PhaseEndDate	11/5/2031	10/31/2032
tblConstructionPhase	PhaseEndDate	6/13/2031	8/31/2031
tblConstructionPhase	PhaseEndDate	6/18/2031	8/31/2031
tblConstructionPhase	PhaseEndDate	11/12/2031	11/30/2032

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	11/13/2031	10/1/2032
tblConstructionPhase	PhaseStartDate	6/19/2031	8/1/2031
tblConstructionPhase	PhaseStartDate	6/17/2031	7/1/2031
tblConstructionPhase	PhaseStartDate	11/6/2031	10/1/2032
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	75.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	2.3325	11.1631	27.2491	0.0562	0.5413	0.2657	0.8070	0.1309	0.2655	0.3964	0.0000	5,640.5281	5,640.5281	0.2141	0.0274	5,654.0378
2032	1.1924	4.1801	9.4217	0.0162	0.1405	0.0840	0.2245	0.0374	0.0839	0.1213	0.0000	1,545.5380	1,545.5380	0.0598	4.2500e-003	1,548.2966
Maximum	2.3325	11.1631	27.2491	0.0562	0.5413	0.2657	0.8070	0.1309	0.2655	0.3964	0.0000	5,640.5281	5,640.5281	0.2141	0.0274	5,654.0378

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					
2031	2.3325	11.1631	27.2491	0.0562	0.4685	0.2657	0.7342	0.1202	0.2655	0.3857	0.0000	5,640.5281	5,640.5281	0.2141	0.0274	5,654.0378
2032	1.1924	4.1801	9.4217	0.0162	0.1405	0.0840	0.2245	0.0374	0.0839	0.1213	0.0000	1,545.5380	1,545.5380	0.0598	4.2500e-003	1,548.2966
Maximum	2.3325	11.1631	27.2491	0.0562	0.4685	0.2657	0.7342	0.1202	0.2655	0.3857	0.0000	5,640.5281	5,640.5281	0.2141	0.0274	5,654.0378

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	10.67	0.00	7.05	6.35	0.00	2.06	0.00	0.00	0.00	0.00	0.00	0.00

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Energy	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
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	0.1580	0.0205	0.0179	1.2000e-004	0.0000	1.5600e-003	1.5600e-003	0.0000	1.5600e-003	1.5600e-003		24.5595	24.5595	4.7000e-004	4.5000e-004	24.7056

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	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Energy	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
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	0.1580	0.0205	0.0179	1.2000e-004	0.0000	1.5600e-003	1.5600e-003	0.0000	1.5600e-003	1.5600e-003		24.5595	24.5595	4.7000e-004	4.5000e-004	24.7056

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	6/1/2031	8/31/2031	5	65	
2	Grading	Grading	7/1/2031	8/31/2031	5	44	
3	Building Construction	Building Construction	8/1/2031	10/31/2032	5	326	
4	Paving	Paving	10/1/2032	11/30/2032	5	43	
5	Architectural Coating	Architectural Coating	10/1/2032	12/31/2032	5	66	

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: 11,085; Non-Residential Outdoor: 3,695; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Forklifts	2	8.00	89	0.20

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rollers	3	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	35.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	75.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	3.00	1.00	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

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1156	0.0000	0.1156	0.0175	0.0000	0.0175			0.0000			0.0000
Off-Road	1.3389	5.0472	14.2665	0.0325		0.1168	0.1168		0.1168	0.1168		3,331.571 1	3,331.571 1	0.1183		3,334.529 0
Total	1.3389	5.0472	14.2665	0.0325	0.1156	0.1168	0.2323	0.0175	0.1168	0.1343		3,331.571 1	3,331.571 1	0.1183		3,334.529 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0900e-003	0.0659	0.0205	2.7000e-004	9.4300e-003	4.2000e-004	9.8500e-003	2.5800e-003	4.0000e-004	2.9900e-003		29.6449	29.6449	2.0500e-003	4.7200e-003	31.1030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0197	0.4231	1.4400e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		156.9480	156.9480	2.2300e-003	2.7600e-003	157.8251
Total	0.0363	0.0856	0.4435	1.7100e-003	0.2106	1.1800e-003	0.2118	0.0559	1.1000e-003	0.0571		186.5930	186.5930	4.2800e-003	7.4800e-003	188.9281

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0428	0.0000	0.0428	6.8200e-003	0.0000	6.8200e-003			0.0000			0.0000
Off-Road	1.3389	5.0472	14.2665	0.0325		0.1168	0.1168		0.1168	0.1168	0.0000	3,331.571 1	3,331.571 1	0.1183		3,334.529 0
Total	1.3389	5.0472	14.2665	0.0325	0.0428	0.1168	0.1596	6.8200e-003	0.1168	0.1236	0.0000	3,331.571 1	3,331.571 1	0.1183		3,334.529 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0900e-003	0.0659	0.0205	2.7000e-004	9.4300e-003	4.2000e-004	9.8500e-003	2.5800e-003	4.0000e-004	2.9900e-003		29.6449	29.6449	2.0500e-003	4.7200e-003	31.1030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0197	0.4231	1.4400e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		156.9480	156.9480	2.2300e-003	2.7600e-003	157.8251
Total	0.0363	0.0856	0.4435	1.7100e-003	0.2106	1.1800e-003	0.2118	0.0559	1.1000e-003	0.0571		186.5930	186.5930	4.2800e-003	7.4800e-003	188.9281

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7439	4.7910	9.6993	0.0160		0.1324	0.1324		0.1324	0.1324		1,514.888 1	1,514.888 1	0.0667		1,516.555 1
Total	0.7439	4.7910	9.6993	0.0160	0.0000	0.1324	0.1324	0.0000	0.1324	0.1324		1,514.888 1	1,514.888 1	0.0667		1,516.555 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4600e-003	0.2086	0.0648	8.5000e-004	0.0298	1.3400e-003	0.0312	8.1800e-003	1.2800e-003	9.4600e-003		93.8435	93.8435	6.4800e-003	0.0150	98.4592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0254	0.0142	0.3056	1.0400e-003	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		113.3514	113.3514	1.6100e-003	1.9900e-003	113.9848
Total	0.0289	0.2228	0.3703	1.8900e-003	0.1752	1.8900e-003	0.1770	0.0467	1.7800e-003	0.0485		207.1948	207.1948	8.0900e-003	0.0169	212.4440

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7439	4.7910	9.6993	0.0160		0.1324	0.1324		0.1324	0.1324	0.0000	1,514.888 1	1,514.888 1	0.0667		1,516.555 1
Total	0.7439	4.7910	9.6993	0.0160	0.0000	0.1324	0.1324	0.0000	0.1324	0.1324	0.0000	1,514.888 1	1,514.888 1	0.0667		1,516.555 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4600e-003	0.2086	0.0648	8.5000e-004	0.0298	1.3400e-003	0.0312	8.1800e-003	1.2800e-003	9.4600e-003		93.8435	93.8435	6.4800e-003	0.0150	98.4592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0254	0.0142	0.3056	1.0400e-003	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		113.3514	113.3514	1.6100e-003	1.9900e-003	113.9848
Total	0.0289	0.2228	0.3703	1.8900e-003	0.1752	1.8900e-003	0.1770	0.0467	1.7800e-003	0.0485		207.1948	207.1948	8.0900e-003	0.0169	212.4440

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.7000e-004	0.0368	0.0136	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3015	17.3015	7.0000e-004	2.5000e-003	18.0633
Worker	5.8700e-003	3.2900e-003	0.0705	2.4000e-004	0.0335	1.3000e-004	0.0337	8.8900e-003	1.2000e-004	9.0100e-003		26.1580	26.1580	3.7000e-004	4.6000e-004	26.3042
Total	6.8400e-003	0.0401	0.0842	4.0000e-004	0.0399	3.2000e-004	0.0403	0.0107	3.0000e-004	0.0110		43.4595	43.4595	1.0700e-003	2.9600e-003	44.3675

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.7000e-004	0.0368	0.0136	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3015	17.3015	7.0000e-004	2.5000e-003	18.0633
Worker	5.8700e-003	3.2900e-003	0.0705	2.4000e-004	0.0335	1.3000e-004	0.0337	8.8900e-003	1.2000e-004	9.0100e-003		26.1580	26.1580	3.7000e-004	4.6000e-004	26.3042
Total	6.8400e-003	0.0401	0.0842	4.0000e-004	0.0399	3.2000e-004	0.0403	0.0107	3.0000e-004	0.0110		43.4595	43.4595	1.0700e-003	2.9600e-003	44.3675

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.7000e-004	0.0366	0.0136	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.0262	17.0262	7.1000e-004	2.4600e-003	17.7764
Worker	5.5300e-003	3.0800e-003	0.0681	2.4000e-004	0.0335	1.2000e-004	0.0337	8.8900e-003	1.1000e-004	9.0000e-003		25.8576	25.8576	3.5000e-004	4.5000e-004	25.9992
Total	6.5000e-003	0.0397	0.0818	4.0000e-004	0.0399	3.1000e-004	0.0402	0.0107	2.9000e-004	0.0110		42.8838	42.8838	1.0600e-003	2.9100e-003	43.7756

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.7000e-004	0.0366	0.0136	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.0262	17.0262	7.1000e-004	2.4600e-003	17.7764
Worker	5.5300e-003	3.0800e-003	0.0681	2.4000e-004	0.0335	1.2000e-004	0.0337	8.8900e-003	1.1000e-004	9.0000e-003		25.8576	25.8576	3.5000e-004	4.5000e-004	25.9992
Total	6.5000e-003	0.0397	0.0818	4.0000e-004	0.0399	3.1000e-004	0.0402	0.0107	2.9000e-004	0.0110		42.8838	42.8838	1.0600e-003	2.9100e-003	43.7756

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498		786.8117	786.8117	0.0306		787.5766
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498		786.8117	786.8117	0.0306		787.5766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0148	8.2200e-003	0.1817	6.3000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		68.9536	68.9536	9.2000e-004	1.1900e-003	69.3312
Total	0.0148	8.2200e-003	0.1817	6.3000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		68.9536	68.9536	9.2000e-004	1.1900e-003	69.3312

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498	0.0000	786.8117	786.8117	0.0306		787.5766
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498	0.0000	786.8117	786.8117	0.0306		787.5766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0148	8.2200e-003	0.1817	6.3000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		68.9536	68.9536	9.2000e-004	1.1900e-003	69.3312
Total	0.0148	8.2200e-003	0.1817	6.3000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		68.9536	68.9536	9.2000e-004	1.1900e-003	69.3312

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	0.6497	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.8400e-003	1.0300e-003	0.0227	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.6192	8.6192	1.2000e-004	1.5000e-004	8.6664
Total	1.8400e-003	1.0300e-003	0.0227	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.6192	8.6192	1.2000e-004	1.5000e-004	8.6664

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	0.6497	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	1.8400e-003	1.0300e-003	0.0227	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.6192	8.6192	1.2000e-004	1.5000e-004	8.6664
Total	1.8400e-003	1.0300e-003	0.0227	8.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.6192	8.6192	1.2000e-004	1.5000e-004	8.6664

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
NaturalGas Unmitigated	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038

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					
Elementary School	208.742	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
Total		2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.208742	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
Total		2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Unmitigated	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-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	9.3800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Total	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.3800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Total	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Frankline Elementary School - Phase-5

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	7.39	1000sqft	0.17	7,390.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Phase 5 involves demolition of the existing cafeteria and construction of a new cafeteria and culinary education building, and outdoor dining area of approximately 7,390 sq ft.

Construction Phase - Construction phasing lengths are provided by the applicant.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - Construction Equipment list is provided by the applicant. To be conservative all construction equipments are assumed to operate for 8 hours/day.

Off-road Equipment - CalEEMod defaults.

Grading - The project is proposing to export approximately 600 cubic yards of earthwork materials during Phase-5 construction.

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Information provided by the applicant.

Architectural Coating - The project is required to comply with SCAQMD Rule 1113.

Vehicle Trips - No additional operational mobile trips are expected.

Area Coating - The project is required to comply with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - The project is required to comply with SCAQMD Rule 403.

Area Mitigation - The project is required to comply with SCAQMD Rule 1113.

Water Mitigation - The project would install high-efficiency fixtures.

Waste Mitigation - The project is required to comply with AB 341.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	66.00
tblConstructionPhase	NumDays	100.00	326.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	43.00
tblConstructionPhase	PhaseEndDate	11/19/2031	12/31/2032
tblConstructionPhase	PhaseEndDate	11/5/2031	10/31/2032
tblConstructionPhase	PhaseEndDate	6/13/2031	8/31/2031
tblConstructionPhase	PhaseEndDate	6/18/2031	8/31/2031
tblConstructionPhase	PhaseEndDate	11/12/2031	11/30/2032

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	11/13/2031	10/1/2032
tblConstructionPhase	PhaseStartDate	6/19/2031	8/1/2031
tblConstructionPhase	PhaseStartDate	6/17/2031	7/1/2031
tblConstructionPhase	PhaseStartDate	11/6/2031	10/1/2032
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	75.00
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	2.3388	11.1809	27.1887	0.0561	0.5413	0.2657	0.8070	0.1309	0.2655	0.3964	0.0000	5,625.1861	5,625.1861	0.2142	0.0277	5,638.8088
2032	1.1946	4.1831	9.4011	0.0161	0.1405	0.0840	0.2245	0.0374	0.0839	0.1213	0.0000	1,540.1557	1,540.1557	0.0598	4.3700e-003	1,542.9519
Maximum	2.3388	11.1809	27.1887	0.0561	0.5413	0.2657	0.8070	0.1309	0.2655	0.3964	0.0000	5,625.1861	5,625.1861	0.2142	0.0277	5,638.8088

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					
2031	2.3388	11.1809	27.1887	0.0561	0.4685	0.2657	0.7342	0.1202	0.2655	0.3857	0.0000	5,625.1861	5,625.1861	0.2142	0.0277	5,638.8088
2032	1.1946	4.1831	9.4011	0.0161	0.1405	0.0840	0.2245	0.0374	0.0839	0.1213	0.0000	1,540.1557	1,540.1557	0.0598	4.3700e-003	1,542.9519
Maximum	2.3388	11.1809	27.1887	0.0561	0.4685	0.2657	0.7342	0.1202	0.2655	0.3857	0.0000	5,625.1861	5,625.1861	0.2142	0.0277	5,638.8088

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	10.67	0.00	7.05	6.35	0.00	2.06	0.00	0.00	0.00	0.00	0.00	0.00

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Energy	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
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	0.1580	0.0205	0.0179	1.2000e-004	0.0000	1.5600e-003	1.5600e-003	0.0000	1.5600e-003	1.5600e-003		24.5595	24.5595	4.7000e-004	4.5000e-004	24.7056

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	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Energy	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
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	0.1580	0.0205	0.0179	1.2000e-004	0.0000	1.5600e-003	1.5600e-003	0.0000	1.5600e-003	1.5600e-003		24.5595	24.5595	4.7000e-004	4.5000e-004	24.7056

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	6/1/2031	8/31/2031	5	65	
2	Grading	Grading	7/1/2031	8/31/2031	5	44	
3	Building Construction	Building Construction	8/1/2031	10/31/2032	5	326	
4	Paving	Paving	10/1/2032	11/30/2032	5	43	
5	Architectural Coating	Architectural Coating	10/1/2032	12/31/2032	5	66	

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: 11,085; Non-Residential Outdoor: 3,695; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Forklifts	2	8.00	89	0.20

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	1	8.00	80	0.38
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rollers	3	8.00	80	0.38
Demolition	Excavators	1	8.00	158	0.38

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	7	18.00	0.00	35.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	75.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	3.00	1.00	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

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1156	0.0000	0.1156	0.0175	0.0000	0.0175			0.0000			0.0000
Off-Road	1.3389	5.0472	14.2665	0.0325		0.1168	0.1168		0.1168	0.1168		3,331.571 1	3,331.571 1	0.1183		3,334.529 0
Total	1.3389	5.0472	14.2665	0.0325	0.1156	0.1168	0.2323	0.0175	0.1168	0.1343		3,331.571 1	3,331.571 1	0.1183		3,334.529 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0200e-003	0.0688	0.0207	2.7000e-004	9.4300e-003	4.2000e-004	9.8500e-003	2.5800e-003	4.1000e-004	2.9900e-003		29.6792	29.6792	2.0400e-003	4.7300e-003	31.1389
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0217	0.3904	1.3700e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		148.7328	148.7328	2.2800e-003	2.9400e-003	149.6653
Total	0.0397	0.0906	0.4111	1.6400e-003	0.2106	1.1800e-003	0.2118	0.0559	1.1100e-003	0.0571		178.4121	178.4121	4.3200e-003	7.6700e-003	180.8041

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0428	0.0000	0.0428	6.8200e-003	0.0000	6.8200e-003			0.0000			0.0000
Off-Road	1.3389	5.0472	14.2665	0.0325		0.1168	0.1168		0.1168	0.1168	0.0000	3,331.571 1	3,331.571 1	0.1183		3,334.529 0
Total	1.3389	5.0472	14.2665	0.0325	0.0428	0.1168	0.1596	6.8200e-003	0.1168	0.1236	0.0000	3,331.571 1	3,331.571 1	0.1183		3,334.529 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0200e-003	0.0688	0.0207	2.7000e-004	9.4300e-003	4.2000e-004	9.8500e-003	2.5800e-003	4.1000e-004	2.9900e-003		29.6792	29.6792	2.0400e-003	4.7300e-003	31.1389
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0217	0.3904	1.3700e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		148.7328	148.7328	2.2800e-003	2.9400e-003	149.6653
Total	0.0397	0.0906	0.4111	1.6400e-003	0.2106	1.1800e-003	0.2118	0.0559	1.1100e-003	0.0571		178.4121	178.4121	4.3200e-003	7.6700e-003	180.8041

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7439	4.7910	9.6993	0.0160		0.1324	0.1324		0.1324	0.1324		1,514.888 1	1,514.888 1	0.0667		1,516.555 1
Total	0.7439	4.7910	9.6993	0.0160	0.0000	0.1324	0.1324	0.0000	0.1324	0.1324		1,514.888 1	1,514.888 1	0.0667		1,516.555 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2200e-003	0.2179	0.0655	8.5000e-004	0.0298	1.3400e-003	0.0312	8.1800e-003	1.2800e-003	9.4600e-003		93.9520	93.9520	6.4700e-003	0.0150	98.5727
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0280	0.0157	0.2819	9.9000e-004	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		107.4182	107.4182	1.6500e-003	2.1200e-003	108.0916
Total	0.0312	0.2336	0.3475	1.8400e-003	0.1752	1.8900e-003	0.1770	0.0467	1.7800e-003	0.0485		201.3702	201.3702	8.1200e-003	0.0171	206.6643

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7439	4.7910	9.6993	0.0160		0.1324	0.1324		0.1324	0.1324	0.0000	1,514.888 1	1,514.888 1	0.0667		1,516.555 1
Total	0.7439	4.7910	9.6993	0.0160	0.0000	0.1324	0.1324	0.0000	0.1324	0.1324	0.0000	1,514.888 1	1,514.888 1	0.0667		1,516.555 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2200e-003	0.2179	0.0655	8.5000e-004	0.0298	1.3400e-003	0.0312	8.1800e-003	1.2800e-003	9.4600e-003		93.9520	93.9520	6.4700e-003	0.0150	98.5727
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0280	0.0157	0.2819	9.9000e-004	0.1453	5.5000e-004	0.1459	0.0385	5.0000e-004	0.0390		107.4182	107.4182	1.6500e-003	2.1200e-003	108.0916
Total	0.0312	0.2336	0.3475	1.8400e-003	0.1752	1.8900e-003	0.1770	0.0467	1.7800e-003	0.0485		201.3702	201.3702	8.1200e-003	0.0171	206.6643

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.3000e-004	0.0385	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3342	17.3342	7.0000e-004	2.5000e-003	18.0980
Worker	6.4500e-003	3.6200e-003	0.0651	2.3000e-004	0.0335	1.3000e-004	0.0337	8.8900e-003	1.2000e-004	9.0100e-003		24.7888	24.7888	3.8000e-004	4.9000e-004	24.9442
Total	7.3800e-003	0.0422	0.0791	3.9000e-004	0.0399	3.2000e-004	0.0403	0.0107	3.0000e-004	0.0110		42.1230	42.1230	1.0800e-003	2.9900e-003	43.0422

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.3000e-004	0.0385	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.3342	17.3342	7.0000e-004	2.5000e-003	18.0980
Worker	6.4500e-003	3.6200e-003	0.0651	2.3000e-004	0.0335	1.3000e-004	0.0337	8.8900e-003	1.2000e-004	9.0100e-003		24.7888	24.7888	3.8000e-004	4.9000e-004	24.9442
Total	7.3800e-003	0.0422	0.0791	3.9000e-004	0.0399	3.2000e-004	0.0403	0.0107	3.0000e-004	0.0110		42.1230	42.1230	1.0800e-003	2.9900e-003	43.0422

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132		356.8216	356.8216	0.0157		357.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.2000e-004	0.0383	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.0588	17.0588	7.1000e-004	2.4600e-003	17.8109
Worker	6.1000e-003	3.3900e-003	0.0629	2.2000e-004	0.0335	1.2000e-004	0.0337	8.8900e-003	1.1000e-004	9.0000e-003		24.5039	24.5039	3.5000e-004	4.8000e-004	24.6544
Total	7.0200e-003	0.0417	0.0769	3.8000e-004	0.0399	3.1000e-004	0.0402	0.0107	2.9000e-004	0.0110		41.5627	41.5627	1.0600e-003	2.9400e-003	42.4653

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140
Total	0.1777	0.9764	2.3853	3.7700e-003		0.0132	0.0132		0.0132	0.0132	0.0000	356.8216	356.8216	0.0157		357.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.2000e-004	0.0383	0.0141	1.6000e-004	6.4100e-003	1.9000e-004	6.5900e-003	1.8400e-003	1.8000e-004	2.0200e-003		17.0588	17.0588	7.1000e-004	2.4600e-003	17.8109
Worker	6.1000e-003	3.3900e-003	0.0629	2.2000e-004	0.0335	1.2000e-004	0.0337	8.8900e-003	1.1000e-004	9.0000e-003		24.5039	24.5039	3.5000e-004	4.8000e-004	24.6544
Total	7.0200e-003	0.0417	0.0769	3.8000e-004	0.0399	3.1000e-004	0.0402	0.0107	2.9000e-004	0.0110		41.5627	41.5627	1.0600e-003	2.9400e-003	42.4653

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498		786.8117	786.8117	0.0306		787.5766
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498		786.8117	786.8117	0.0306		787.5766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0163	9.0500e-003	0.1676	6.0000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		65.3437	65.3437	9.4000e-004	1.2700e-003	65.7451
Total	0.0163	9.0500e-003	0.1676	6.0000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		65.3437	65.3437	9.4000e-004	1.2700e-003	65.7451

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498	0.0000	786.8117	786.8117	0.0306		787.5766
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3419	2.2985	4.9525	8.3100e-003		0.0498	0.0498		0.0498	0.0498	0.0000	786.8117	786.8117	0.0306		787.5766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0163	9.0500e-003	0.1676	6.0000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		65.3437	65.3437	9.4000e-004	1.2700e-003	65.7451
Total	0.0163	9.0500e-003	0.1676	6.0000e-004	0.0894	3.2000e-004	0.0897	0.0237	2.9000e-004	0.0240		65.3437	65.3437	9.4000e-004	1.2700e-003	65.7451

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	0.6497	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	2.0300e-003	1.1300e-003	0.0210	7.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.1680	8.1680	1.2000e-004	1.6000e-004	8.2181
Total	2.0300e-003	1.1300e-003	0.0210	7.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.1680	8.1680	1.2000e-004	1.6000e-004	8.2181

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	0.6497	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	2.0300e-003	1.1300e-003	0.0210	7.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.1680	8.1680	1.2000e-004	1.6000e-004	8.2181
Total	2.0300e-003	1.1300e-003	0.0210	7.0000e-005	0.0112	4.0000e-005	0.0112	2.9600e-003	4.0000e-005	3.0000e-003		8.1680	8.1680	1.2000e-004	1.6000e-004	8.2181

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
NaturalGas Unmitigated	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038

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					
Elementary School	208.742	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
Total		2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.208742	2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038
Total		2.2500e-003	0.0205	0.0172	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003		24.5579	24.5579	4.7000e-004	4.5000e-004	24.7038

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Unmitigated	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-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	9.3800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Total	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.3800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003
Total	0.1558	1.0000e-005	7.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6200e-003	1.6200e-003	0.0000		1.7200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Frankline Elementary School - Phase-5 - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Operational Analysis

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	51.85	1000sqft	1.19	51,850.00	0
Other Non-Asphalt Surfaces	8.00	1000sqft	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The proposed project's involves renovation of existing structures by adding approximately 51,850 square feet of building and 8,000 square feet of paving surfaces throughout the campus.

Construction Phase - No construction emissions are analyzed. Only operational.

Vehicle Trips - The proposed project is not expected to add any additional trips.

Area Coating - The project is required to comply with Rule 1113 - Architectural Coatin.

Area Mitigation - The proposed project is required to comply with Rule 1113 - Architectural Coating

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50

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tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	PhaseEndDate	4/8/2024	3/2/2024
tblConstructionPhase	PhaseStartDate	3/26/2024	3/1/2024
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
4	2-1-2024	4-30-2024	0.3459	0.3459
		Highest	0.3459	0.3459

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	0.2000	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Energy	2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	81.3083	81.3083	5.0000e-003	1.0600e-003	81.7501
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	13.6836	0.0000	13.6836	0.8087	0.0000	33.9006
Water						0.0000	0.0000		0.0000	0.0000	0.4770	11.0893	11.5663	0.0499	1.2700e-003	13.1930
Total	0.2029	0.0262	0.0228	1.6000e-004	0.0000	1.9900e-003	1.9900e-003	0.0000	1.9900e-003	1.9900e-003	14.1606	92.3991	106.5597	0.8636	2.3300e-003	128.8453

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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	0.2000	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Energy	2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	81.3083	81.3083	5.0000e-003	1.0600e-003	81.7501
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	3.4209	0.0000	3.4209	0.2022	0.0000	8.4752
Water						0.0000	0.0000		0.0000	0.0000	0.3816	10.3950	10.7765	0.0401	1.0300e-003	12.0858
Total	0.2029	0.0262	0.0228	1.6000e-004	0.0000	1.9900e-003	1.9900e-003	0.0000	1.9900e-003	1.9900e-003	3.8025	91.7047	95.5072	0.2472	2.0900e-003	102.3126

	ROG	NOx	CO	SO2	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	73.15	0.75	10.37	71.37	10.30	20.59

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/1/2024	3/2/2024	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 77,775; Non-Residential Outdoor: 25,925; Striped Parking Area: 480 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	6.1000e-004	9.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2415	6.1000e-004	9.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

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3.2 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0216	0.0216	0.0000	0.0000	0.0218
Total	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0216	0.0216	0.0000	0.0000	0.0218

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	6.1000e-004	9.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
Total	0.2415	6.1000e-004	9.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278

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3.2 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0216	0.0216	0.0000	0.0000	0.0218
Total	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0216	0.0216	0.0000	0.0000	0.0218

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305
Other Non-Asphalt Surfaces	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

5.0 Energy Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	52.7814	52.7814	4.4500e-003	5.4000e-004	53.0537
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	52.7814	52.7814	4.4500e-003	5.4000e-004	53.0537
Natural Gas Mitigated	2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	28.5269	28.5269	5.5000e-004	5.2000e-004	28.6964
Natural Gas Unmitigated	2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	28.5269	28.5269	5.5000e-004	5.2000e-004	28.6964

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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	tons/yr										MT/yr					
Elementary School	534574	2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	28.5269	28.5269	5.5000e-004	5.2000e-004	28.6964
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	28.5269	28.5269	5.5000e-004	5.2000e-004	28.6964

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					
Elementary School	534574	2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	28.5269	28.5269	5.5000e-004	5.2000e-004	28.6964
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.8800e-003	0.0262	0.0220	1.6000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	28.5269	28.5269	5.5000e-004	5.2000e-004	28.6964

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	297619	52.7814	4.4500e-003	5.4000e-004	53.0537
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		52.7814	4.4500e-003	5.4000e-004	53.0537

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	297619	52.7814	4.4500e-003	5.4000e-004	53.0537
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		52.7814	4.4500e-003	5.4000e-004	53.0537

6.0 Area Detail

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6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2000	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Unmitigated	0.2000	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0121					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Total	0.2000	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0121					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Total	0.2000	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.7765	0.0401	1.0300e-003	12.0858
Unmitigated	11.5663	0.0499	1.2700e-003	13.1930

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.50349 / 3.86612	11.5663	0.0499	1.2700e-003	13.1930
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		11.5663	0.0499	1.2700e-003	13.1930

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.20279 / 3.86612	10.7765	0.0401	1.0300e-003	12.0858
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		10.7765	0.0401	1.0300e-003	12.0858

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.4209	0.2022	0.0000	8.4752
Unmitigated	13.6836	0.8087	0.0000	33.9006

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	67.41	13.6836	0.8087	0.0000	33.9006
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		13.6836	0.8087	0.0000	33.9006

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	16.8525	3.4209	0.2022	0.0000	8.4752
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		3.4209	0.2022	0.0000	8.4752

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

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Operational Analysis

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	51.85	1000sqft	1.19	51,850.00	0
Other Non-Asphalt Surfaces	8.00	1000sqft	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The proposed project's involves renovation of existing structures by adding approximately 51,850 square feet of building and 8,000 square feet of paving surfaces throughout the campus.

Construction Phase - No construction emissions are analyzed. Only operational.

Vehicle Trips - The proposed project is not expected to add any additional trips.

Area Coating - The project is required to comply with Rule 1113 - Architectural Coatin.

Area Mitigation - The proposed project is required to comply with Rule 1113 - Architectural Coating

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	PhaseEndDate	4/8/2024	3/2/2024
tblConstructionPhase	PhaseStartDate	3/26/2024	3/1/2024
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Energy	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
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	1.1120	0.1436	0.1267	8.6000e-004	0.0000	0.0109	0.0109	0.0000	0.0109	0.0109		172.3172	172.3172	3.3300e-003	3.1600e-003	173.3420

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Energy	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
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	1.1120	0.1436	0.1267	8.6000e-004	0.0000	0.0109	0.0109	0.0000	0.0109	0.0109		172.3172	172.3172	3.3300e-003	3.1600e-003	173.3420

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/1/2024	3/2/2024	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 77,775; Non-Residential Outdoor: 25,925; Striped Parking Area: 480 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	482.8743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	483.0551	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.9700e-003	0.1687	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		49.5870	49.5870	1.1400e-003	1.0700e-003	49.9353
Total	0.0149	9.9700e-003	0.1687	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		49.5870	49.5870	1.1400e-003	1.0700e-003	49.9353

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	482.8743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	483.0551	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	9.9700e-003	0.1687	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		49.5870	49.5870	1.1400e-003	1.0700e-003	49.9353
Total	0.0149	9.9700e-003	0.1687	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		49.5870	49.5870	1.1400e-003	1.0700e-003	49.9353

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305
Other Non-Asphalt Surfaces	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

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	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
NaturalGas Unmitigated	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1464.58	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280

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					
Elementary School	1.46458	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280

6.0 Area Detail

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Unmitigated	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Total	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Total	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Franklin Elementary School - Operational Analysis

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	51.85	1000sqft	1.19	51,850.00	0
Other Non-Asphalt Surfaces	8.00	1000sqft	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The proposed project's involves renovation of existing structures by adding approximately 51,850 square feet of building and 8,000 square feet of paving surfaces throughout the campus.

Construction Phase - No construction emissions are analyzed. Only operational.

Vehicle Trips - The proposed project is not expected to add any additional trips.

Area Coating - The project is required to comply with Rule 1113 - Architectural Coatin.

Area Mitigation - The proposed project is required to comply with Rule 1113 - Architectural Coating

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	PhaseEndDate	4/8/2024	3/2/2024
tblConstructionPhase	PhaseStartDate	3/26/2024	3/1/2024
tblVehicleTrips	WD_TR	19.52	0.00

2.0 Emissions Summary

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Energy	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
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	1.1120	0.1436	0.1267	8.6000e-004	0.0000	0.0109	0.0109	0.0000	0.0109	0.0109		172.3172	172.3172	3.3300e-003	3.1600e-003	173.3420

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Energy	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
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	1.1120	0.1436	0.1267	8.6000e-004	0.0000	0.0109	0.0109	0.0000	0.0109	0.0109		172.3172	172.3172	3.3300e-003	3.1600e-003	173.3420

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/1/2024	3/2/2024	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 77,775; Non-Residential Outdoor: 25,925; Striped Parking Area: 480 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	482.8743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	483.0551	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0110	0.1552	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.9770	46.9770	1.1600e-003	1.1500e-003	47.3474
Total	0.0161	0.0110	0.1552	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.9770	46.9770	1.1600e-003	1.1500e-003	47.3474

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	482.8743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	483.0551	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0110	0.1552	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.9770	46.9770	1.1600e-003	1.1500e-003	47.3474
Total	0.0161	0.0110	0.1552	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.9770	46.9770	1.1600e-003	1.1500e-003	47.3474

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305
Other Non-Asphalt Surfaces	0.526105	0.068520	0.194664	0.126916	0.024659	0.007190	0.011777	0.007710	0.000936	0.000560	0.026921	0.000737	0.003305

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	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
NaturalGas Unmitigated	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1464.58	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280

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					
Elementary School	1.46458	0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0158	0.1436	0.1206	8.6000e-004		0.0109	0.0109		0.0109	0.0109		172.3041	172.3041	3.3000e-003	3.1600e-003	173.3280

6.0 Area Detail

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Unmitigated	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Total	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0295					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139
Total	1.0962	5.0000e-005	6.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0131	0.0131	3.0000e-005		0.0139

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Franklin Elementary School - Operational Analysis - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Franklin Elemnetary School Campus Master Plan Project
Energy Calculations
Operational Elelctricity and Naural Gas Consumption

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
Elementary School	534,574	5,346	297,619	298
Other Non-Asphalt Surfaces		0	0	0
Totals	534,574	5,346	297,619	298

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles County Energy Consumption (2020)	Percentage Increase Countywide
Electricity (MWh)	298	65,649,878	0.0005%
Natural Gas (Therms)	5,346	2,936,687,098	0.0002%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Franklin Elemnetary School Campus Master Plan Project
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	45	18	14.7	11,907		478.14
Grading	44	15	14.7	9,702		389.59
Building Construction	240	12	14.7	42,336	24.90284233	1,700.05
Paving	43	8	14.7	5,057		203.06
Architectural Coating	43	2	14.7	1,264		50.77
						2,821.61
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	45	0	6.9	-		-
Grading	44	0	6.9	-		-
Building Construction	240	5	6.9	35	8.343886151	4.13
Paving	43	0	6.9	-		-
Architectural Coating	43	0	6.9	-		-
						4.13
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)¹	Total Fuel Consumption
Demolition	45	37	20	740		88.69
Grading	44	25	20	500		59.92
Building Construction	240	0	20	-	8.343886151	-
Paving	43	0	20	-		-
Architectural Coating	43	0	20	-		-
						148.61
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION						2,974.35

**Franklin Elemnetary School Campus Master Plan Project
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	44	18	14.7	11,642		467.51
Grading	23	13	14.7	4,395		176.50
Building Construction	305	4	14.7	17,934	24.90284233	720.16
Paving	45	13	14.7	8,600		345.32
Architectural Coating	21	1	14.7	309		12.40
						1,721.89
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	44	0	6.9	-		-
Grading	23	0	6.9	-		-
Building Construction	305	1	6.9	7	8.343886151	0.83
Paving	45	0	6.9	-		-
Architectural Coating	21	0	6.9	-		-
						0.83
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day) ¹	Total Fuel Consumption
Demolition	44	16	20	320		38.35
Grading	23	188	20	3,760		450.63
Building Construction	305	0	20	-	8.343886151	-
Paving	45	0	20	-		-
Architectural Coating	21	0	20	-		-
						488.98
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION						2,211.70

**Franklin Elemnetary School Campus Master Plan Project
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	44	18	14.7	11,642		467.51
Grading	22	8	14.7	2,587		103.89
Building Construction	43	0	14.7	-	24.90284233	-
Paving	23	13	14.7	4,395		176.50
Architectural Coating	21	3	14.7	926		37.19
						785.09
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	44	0	6.9	-		-
Grading	22	0	6.9	-		-
Building Construction	43	5	6.9	35	8.343886151	4.13
Paving	23	0	6.9	-		-
Architectural Coating	21	0	6.9	-		-
						4.13
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)¹	Total Fuel Consumption
Demolition	44	26	20	520		62.32
Grading	22	94	20	1,880		225.31
Building Construction	43	0	0	-	8.343886151	-
Paving	23	0	20	-		-
Architectural Coating	21	0	20	-		-
						287.64
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION						1,076.86

**Franklin Elemnetary School Campus Master Plan Project
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	43	18	14.7	11,378		456.89
Grading	43	13	14.7	8,217		329.97
Building Construction	391	4	14.7	22,991	24.90284233	923.22
Paving	43	13	14.7	8,217		329.97
Architectural Coating	64	1	14.7	941		37.78
						2,077.84
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	43	0	6.9	-		-
Grading	43	0	6.9	-		-
Building Construction	391	1	6.9	7	8.343886151	0.83
Paving	43	0	6.9	-		-
Architectural Coating	64	0	6.9	-		-
						0.83
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)¹	Total Fuel Consumption
Demolition	43	37	20	740		88.69
Grading	43	812	20	16,240		1,946.34
Building Construction	391	0	20	-	8.343886151	-
Paving	43	0	20	-		-
Architectural Coating	64	0	20	-		-
						2035.02
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION						4,113.69

**Franklin Elemnetary School Campus Master Plan Project
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	65	18	14.7	17,199		690.64
Grading	44	13	14.7	8,408		337.65
Building Construction	326	3	14.7	14,377	24.90284233	577.31
Paving	43	8	14.7	5,057		203.06
Architectural Coating	66	1	14.7	970		38.96
						1,847.62
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	65	0	6.9	-		-
Grading	44	0	6.9	-		-
Building Construction	326	1	6.9	7	8.343886151	0.83
Paving	43	0	6.9	-		-
Architectural Coating	66	0	6.9	-		-
						0.83
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)¹	Total Fuel Consumption
Demolition	65	35	20	700		83.89
Grading	44	75	20	1,500		179.77
Building Construction	326	0	20	-	8.343886151	-
Paving	43	0	20	-		-
Architectural Coating	66	0	20	-		-
						263.67
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION						2,112.11

**Franklin Elementary School Campus Master Plan Project
Energy Calculations**

On-Site Construction Fuel Consumption - Phase 1

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Excavators	1	8	158	0.38	2.4016	8	45	864.58
Demolition	Forklifts	2	8	89	0.20	0.712	16	45	512.64
Demolition	Off-Highway Trucks	1	8	402	0.38	6.1104	8	45	2,199.74
Demolition	Skid Steer Loaders	2	8	65	0.37	0.962	16	45	692.64
Demolition	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	45	516.82
Grading	Rollers	1	8	80	0.38	1.216	8	44	428.03
Grading	Rubber Tired Dozers	1	8	247	0.40	3.952	8	44	1,391.10
Grading	Skid Steer Loaders	3	8	65	0.37	0.962	24	44	1,015.87
Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	44	505.33
Building Construction	Forklifts	2	8	89	0.20	0.712	16	240	2,734.08
Paving	Rollers	1	8	80	0.38	1.216	8	43	418.30
Paving	Skid Steer Loaders	2	8	65	0.37	0.962	16	43	661.86
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	43	386.38
TOTAL ON-SITE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									12,327.38
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									2,974.35
TOTAL FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									15,301.73
Notes: Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor Where: Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									

County Offroad (Gallons) 374,830,981
 2023 (Year of construction start) 0.0041%

**Franklin Elementary School Campus Master Plan Project
Energy Calculations**

On-Site Construction Fuel Consumption - Phase 2

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Excavators	1	8	158	0.38	2.4016	8	44	845.36
Demolition	Forklifts	2	8	89	0.20	0.712	16	44	501.25
Demolition	Off-Highway Trucks	1	8	402	0.38	6.1104	8	44	2,150.86
Demolition	Skid Steer Loaders	2	8	65	0.37	0.962	16	44	677.25
Demolition	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	44	505.33
Grading	Rollers	1	8	80	0.38	1.216	8	23	223.74
Grading	Skid Steer Loaders	3	8	65	0.37	0.962	24	23	531.02
Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	23	264.15
Building Construction	Forklifts	2	8	89	0.20	0.712	16	305	3,474.56
Paving	Rollers	1	8	80	0.38	1.216	8	45	437.76
Paving	Skid Steer Loaders	4	8	65	0.37	0.962	32	45	1,385.28
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	21	188.70
TOTAL ON-SITE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									11,185.27
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									2,211.70
TOTAL FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									13,396.96
Notes: Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor Where: Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									

County Offroad (Gallons) 376,305,817
 2025 (Year of construction start) 0.0036%

**Franklin Elemnetary School Campus Master Plan Project
Energy Calculations**

On-Site Construction Fuel Consumption - Phase 3

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Excavators	1	8	158	0.38	2.4016	8	44	845.36
Demolition	Forklifts	2	8	89	0.20	0.712	16	44	501.25
Demolition	Off-Highway Trucks	1	6	402	0.38	6.1104	6	44	1,613.15
Demolition	Skid Steer Loaders	2	8	65	0.37	0.962	16	44	677.25
Demolition	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	44	505.33
Grading	Rollers	1	8	80	0.38	1.216	8	22	214.02
Grading	Skid Steer Loaders	1	8	65	0.37	0.962	8	22	169.31
Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	22	252.67
Paving	Rollers	1	8	80	0.38	1.216	8	23	223.74
Paving	Skid Steer Loaders	4	8	65	0.37	0.962	32	23	708.03
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	21	188.70
TOTAL ON-SITE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									5,898.80
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									1,076.86
TOTAL FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									6,975.66
Notes: Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor Where: Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									

County Offroad (Gallons) 374,683,338
 2027 (Year of construction start) 0.0019%

**Franklin Elementary School Campus Master Plan Project
Energy Calculations**

On-Site Construction Fuel Consumption - Phase 4

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Excavators	1	8	158	0.38	2.4016	8	43	826.15
Demolition	Forklifts	2	8	89	0.20	0.712	16	43	489.86
Demolition	Off-Highway Trucks	1	8	402	0.38	6.1104	8	43	2,101.98
Demolition	Skid Steer Loaders	2	8	65	0.37	0.962	16	43	661.86
Demolition	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	43	493.85
Grading	Rollers	1	8	80	0.38	1.216	8	43	418.30
Grading	Skid Steer Loaders	3	8	65	0.37	0.962	24	43	992.78
Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	43	493.85
Building Construction	Forklifts	2	8	89	0.20	0.712	16	391	4,454.27
Paving	Rollers	1	8	80	0.38	1.216	8	43	418.30
Paving	Skid Steer Loaders	4	8	65	0.37	0.962	32	43	1,323.71
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	64	575.08
TOTAL ON-SITE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									13,249.99
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									4,113.69
TOTAL FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									17,363.67
Notes: Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor Where: Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									

County Offroad (Gallons) 369,759,089
 2029 (Year of construction start) 0.0047%

**Franklin Elementary School Campus Master Plan Project
Energy Calculations**

On-Site Construction Fuel Consumption - Phase 5

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Excavators	1	8	158	0.38	2.4016	8	65	1,248.83
Demolition	Forklifts	2	8	89	0.20	0.712	16	65	740.48
Demolition	Off-Highway Trucks	1	8	402	0.38	6.1104	8	65	3,177.41
Demolition	Skid Steer Loaders	2	8	65	0.37	0.962	16	65	1,000.48
Demolition	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	65	746.51
Grading	Rollers	3	8	80	0.38	1.216	24	44	1,284.10
Grading	Skid Steer Loaders	1	8	65	0.37	0.962	8	44	338.62
Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	44	505.33
Building Construction	Forklifts	2	8	89	0.20	0.712	16	326	3,713.79
Paving	Rollers	1	8	80	0.38	1.216	8	43	418.30
Paving	Skid Steer Loaders	2	8	65	0.37	0.962	16	43	661.86
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	66	593.05
TOTAL ON-SITE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									14,428.76
TOTAL OFF-SITE MOBILE FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									2,112.11
TOTAL FUEL (GALLONS) CONSUMED DURING CONSTRUCTION									16,540.88
Notes: Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor Where: Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									

County Offroad (Gallons) 363,964,193
 2031 (Year of construction start) 0.0045%