Appendix A

AQ and GHG Technical Modeling

Winnekta Project - Demolition - Los Angeles-South Coast County, Annual

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

Winnekta Project - Demolition

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	14.61	Acre	14.61	636,198.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Analysis of demolition only. No construction or operations.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions

Demolition - Assumes 1 CY of C&D equals 484lbs and 1 CY of asphalt equals 773lbs. EPA.

Trips and VMT -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	54.00
tblConstructionPhase	PhaseEndDate	1/28/2022	3/31/2022

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

tblConstructionPhase	PhaseStartDate	1/1/2022	1/17/2022
tblLandUse	LandUseSquareFeet	636,411.60	636,198.00
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0651	1.0056	0.6263	2.6200e-003	0.5952	0.0272	0.6224	0.0961	0.0251	0.1212	0.0000	248.8595	248.8595	0.0370	0.0249	257.1954
Maximum	**0.0651**	**1.0056**	**0.6263**	**2.6200e-003**	**0.5952**	**0.0272**	**0.6224**	**0.0961**	**0.0251**	**0.1212**	**0.0000**	**248.8595**	**248.8595**	**0.0370**	**0.0249**	**257.1954**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0651	1.0056	0.6263	2.6200e-003	0.2321	0.0272	0.2593	0.0383	0.0251	0.0634	0.0000	248.8594	248.8594	0.0370	0.0249	257.1952
Maximum	**0.0651**	**1.0056**	**0.6263**	**2.6200e-003**	**0.2321**	**0.0272**	**0.2593**	**0.0383**	**0.0251**	**0.0634**	**0.0000**	**248.8594**	**248.8594**	**0.0370**	**0.0249**	**257.1952**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**61.01**	**0.00**	**58.34**	**60.14**	**0.00**	**47.67**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	1.0427	1.0427
		Highest	1.0427	1.0427

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	0.0500	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0500**	**0.0000**	**1.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.0000**	**3.9000e-004**

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0500	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0500**	**0.0000**	**1.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.0000**	**3.9000e-004**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/17/2022	3/31/2022	5	54	

Acres of Grading (Site Preparation Phase): 0

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

Acres of Grading (Grading Phase): 0

Acres of Paving: 14.61

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crawler Tractors	2	8.00	212	0.43
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	5,050.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

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3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5465	0.0000	0.5465	0.0827	0.0000	0.0827	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0517	0.5576	0.5087	1.0100e-003		0.0240	0.0240		0.0221	0.0221	0.0000	88.5191	88.5191	0.0286	0.0000	89.2348
Total	**0.0517**	**0.5576**	**0.5087**	**1.0100e-003**	**0.5465**	**0.0240**	**0.5705**	**0.0827**	**0.0221**	**0.1048**	**0.0000**	**88.5191**	**88.5191**	**0.0286**	**0.0000**	**89.2348**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0116	0.4466	0.0996	1.5700e-003	0.0434	3.1500e-003	0.0466	0.0119	3.0200e-003	0.0150	0.0000	155.9604	155.9604	8.2800e-003	0.0248	163.5417
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.3900e-003	0.0180	5.0000e-005	5.3300e-003	3.0000e-005	5.3600e-003	1.4100e-003	3.0000e-005	1.4500e-003	0.0000	4.3800	4.3800	1.3000e-004	1.2000e-004	4.4189
Total	**0.0133**	**0.4480**	**0.1176**	**1.6200e-003**	**0.0488**	**3.1800e-003**	**0.0520**	**0.0133**	**3.0500e-003**	**0.0164**	**0.0000**	**160.3405**	**160.3405**	**8.4100e-003**	**0.0249**	**167.9606**

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3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2131	0.0000	0.2131	0.0323	0.0000	0.0323	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0517	0.5576	0.5087	1.0100e-003		0.0240	0.0240		0.0221	0.0221	0.0000	88.5190	88.5190	0.0286	0.0000	89.2347
Total	**0.0517**	**0.5576**	**0.5087**	**1.0100e-003**	**0.2131**	**0.0240**	**0.2371**	**0.0323**	**0.0221**	**0.0544**	**0.0000**	**88.5190**	**88.5190**	**0.0286**	**0.0000**	**89.2347**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0116	0.4466	0.0996	1.5700e-003	0.0173	3.1500e-003	0.0205	5.5300e-003	3.0200e-003	8.5400e-003	0.0000	155.9604	155.9604	8.2800e-003	0.0248	163.5417
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.3900e-003	0.0180	5.0000e-005	1.6300e-003	3.0000e-005	1.6700e-003	5.1000e-004	3.0000e-005	5.4000e-004	0.0000	4.3800	4.3800	1.3000e-004	1.2000e-004	4.4189
Total	**0.0133**	**0.4480**	**0.1176**	**1.6200e-003**	**0.0190**	**3.1800e-003**	**0.0222**	**6.0400e-003**	**3.0500e-003**	**9.0800e-003**	**0.0000**	**160.3405**	**160.3405**	**8.4100e-003**	**0.0249**	**167.9606**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

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

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
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
Other Non-Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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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					
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0500	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Unmitigated	0.0500	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-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	8.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Total	**0.0500**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.0000**	**3.9000e-004**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Total	**0.0500**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.0000**	**3.9000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

Winnekta Project - Demolition

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	14.61	Acre	14.61	636,198.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Analysis of demolition only. No construction or operations.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions

Demolition - Assumes 1 CY of C&D equals 484lbs and 1 CY of asphalt equals 773lbs. EPA.

Trips and VMT -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	54.00
tblConstructionPhase	PhaseEndDate	1/28/2022	3/31/2022

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

tblConstructionPhase	PhaseStartDate	1/1/2022	1/17/2022
tblLandUse	LandUseSquareFeet	636,411.60	636,198.00
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

2.0 Emissions Summary

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.4144	36.4026	23.2104	0.0973	22.0776	1.0074	23.0850	3.5666	0.9311	4.4977	0.0000	10,166.4415	10,166.4415	1.5120	1.0146	10,506.6031
Maximum	**2.4144**	**36.4026**	**23.2104**	**0.0973**	**22.0776**	**1.0074**	**23.0850**	**3.5666**	**0.9311**	**4.4977**	**0.0000**	**10,166.4415**	**10,166.4415**	**1.5120**	**1.0146**	**10,506.6031**

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					
2022	2.4144	36.4026	23.2104	0.0973	8.6025	1.0074	9.6098	1.4201	0.9311	2.3512	0.0000	10,166.4415	10,166.4415	1.5120	1.0146	10,506.6031
Maximum	**2.4144**	**36.4026**	**23.2104**	**0.0973**	**8.6025**	**1.0074**	**9.6098**	**1.4201**	**0.9311**	**2.3512**	**0.0000**	**10,166.4415**	**10,166.4415**	**1.5120**	**1.0146**	**10,506.6031**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**61.04**	**0.00**	**58.37**	**60.18**	**0.00**	**47.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**	**0.0000**	**3.4100e-003**

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	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**	**0.0000**	**3.4100e-003**

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/17/2022	3/31/2022	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 14.61

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crawler Tractors	2	8.00	212	0.43
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	5,050.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.2395	0.0000	20.2395	3.0644	0.0000	3.0644			0.0000			0.0000
Off-Road	1.9164	20.6508	18.8399	0.0373		0.8894	0.8894		0.8183	0.8183		3,613.9095	3,613.9095	1.1688		3,643.1298
Total	**1.9164**	**20.6508**	**18.8399**	**0.0373**	**20.2395**	**0.8894**	**21.1289**	**3.0644**	**0.8183**	**3.8827**		**3,613.9095**	**3,613.9095**	**1.1688**		**3,643.1298**

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4357	15.7063	3.6621	0.0581	1.6369	0.1167	1.7536	0.4488	0.1116	0.5604		6,366.5125	6,366.5125	0.3382	1.0101	6,675.9848
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.4980**	**15.7518**	**4.3706**	**0.0600**	**1.8381**	**0.1180**	**1.9561**	**0.5022**	**0.1128**	**0.6150**		**6,552.5321**	**6,552.5321**	**0.3432**	**1.0146**	**6,863.4733**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.8934	0.0000	7.8934	1.1951	0.0000	1.1951			0.0000			0.0000
Off-Road	1.9164	20.6508	18.8399	0.0373		0.8894	0.8894		0.8183	0.8183	0.0000	3,613.9095	3,613.9095	1.1688		3,643.1298
Total	**1.9164**	**20.6508**	**18.8399**	**0.0373**	**7.8934**	**0.8894**	**8.7828**	**1.1951**	**0.8183**	**2.0134**	**0.0000**	**3,613.9095**	**3,613.9095**	**1.1688**		**3,643.1298**

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4357	15.7063	3.6621	0.0581	0.6478	0.1167	0.7645	0.2060	0.1116	0.3176		6,366.5125	6,366.5125	0.3382	1.0101	6,675.9848
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.4980**	**15.7518**	**4.3706**	**0.0600**	**0.7091**	**0.1180**	**0.8270**	**0.2250**	**0.1128**	**0.3378**		**6,552.5321**	**6,552.5321**	**0.3432**	**1.0146**	**6,863.4733**

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

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

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
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
Other Non-Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Unmitigated	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003

Winnekta Project - Demolition - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Total	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**		**3.4100e-003**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Total	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**		**3.4100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Winnekta Project - Demolition - Los Angeles-South Coast County, Winter

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

Winnekta Project - Demolition

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	14.61	Acre	14.61	636,198.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Analysis of demolition only. No construction or operations.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions

Demolition - Assumes 1 CY of C&D equals 484lbs and 1 CY of asphalt equals 773lbs. EPA.

Trips and VMT -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	54.00
tblConstructionPhase	PhaseEndDate	1/28/2022	3/31/2022

Winnekta Project - Demolition - Los Angeles-South Coast County, Winter

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

tblConstructionPhase	PhaseStartDate	1/1/2022	1/17/2022
tblLandUse	LandUseSquareFeet	636,411.60	636,198.00
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

2.0 Emissions Summary

Winnekta Project - Demolition - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.4083	37.0447	23.2169	0.0972	22.0776	1.0076	23.0852	3.5666	0.9313	4.4979	0.0000	10,158.4729	10,158.4729	1.5115	1.0153	10,498.8121
Maximum	**2.4083**	**37.0447**	**23.2169**	**0.0972**	**22.0776**	**1.0076**	**23.0852**	**3.5666**	**0.9313**	**4.4979**	**0.0000**	**10,158.4729**	**10,158.4729**	**1.5115**	**1.0153**	**10,498.8121**

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					
2022	2.4083	37.0447	23.2169	0.0972	8.6025	1.0076	9.6101	1.4201	0.9313	2.3515	0.0000	10,158.4729	10,158.4729	1.5115	1.0153	10,498.8121
Maximum	**2.4083**	**37.0447**	**23.2169**	**0.0972**	**8.6025**	**1.0076**	**9.6101**	**1.4201**	**0.9313**	**2.3515**	**0.0000**	**10,158.4729**	**10,158.4729**	**1.5115**	**1.0153**	**10,498.8121**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**61.04**	**0.00**	**58.37**	**60.18**	**0.00**	**47.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**	**0.0000**	**3.4100e-003**

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	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**	**0.0000**	**3.4100e-003**

Winnekta Project - Demolition - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/17/2022	3/31/2022	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 14.61

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crawler Tractors	2	8.00	212	0.43
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	5,050.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.2395	0.0000	20.2395	3.0644	0.0000	3.0644			0.0000			0.0000
Off-Road	1.9164	20.6508	18.8399	0.0373		0.8894	0.8894		0.8183	0.8183		3,613.9095	3,613.9095	1.1688		3,643.1298
Total	**1.9164**	**20.6508**	**18.8399**	**0.0373**	**20.2395**	**0.8894**	**21.1289**	**3.0644**	**0.8183**	**3.8827**		**3,613.9095**	**3,613.9095**	**1.1688**		**3,643.1298**

Winnekta Project - Demolition - Los Angeles-South Coast County, Winter

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

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4252	16.3437	3.7266	0.0581	1.6369	0.1169	1.7539	0.4488	0.1119	0.5607		6,368.3789	6,368.3789	0.3376	1.0105	6,677.9353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.4919**	**16.3939**	**4.3771**	**0.0599**	**1.8381**	**0.1182**	**1.9563**	**0.5022**	**0.1131**	**0.6152**		**6,544.5634**	**6,544.5634**	**0.3427**	**1.0153**	**6,855.6823**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.8934	0.0000	7.8934	1.1951	0.0000	1.1951			0.0000			0.0000
Off-Road	1.9164	20.6508	18.8399	0.0373		0.8894	0.8894		0.8183	0.8183	0.0000	3,613.9095	3,613.9095	1.1688		3,643.1298
Total	**1.9164**	**20.6508**	**18.8399**	**0.0373**	**7.8934**	**0.8894**	**8.7828**	**1.1951**	**0.8183**	**2.0134**	**0.0000**	**3,613.9095**	**3,613.9095**	**1.1688**		**3,643.1298**

Winnekta Project - Demolition - Los Angeles-South Coast County, Winter

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

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4252	16.3437	3.7266	0.0581	0.6478	0.1169	0.7647	0.2060	0.1119	0.3179		6,368.3789	6,368.3789	0.3376	1.0105	6,677.9353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.4919**	**16.3939**	**4.3771**	**0.0599**	**0.7091**	**0.1182**	**0.8273**	**0.2250**	**0.1131**	**0.3381**		**6,544.5634**	**6,544.5634**	**0.3427**	**1.0153**	**6,855.6823**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

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

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
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
Other Non-Asphalt Surfaces	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Unmitigated	0.2740	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003

Winnekta Project - Demolition - Los Angeles-South Coast County, Winter

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

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	0.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Total	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**		**3.4100e-003**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2253					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2000e-003	3.2000e-003	1.0000e-005		3.4100e-003
Total	**0.2740**	**1.0000e-005**	**1.4900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2000e-003**	**3.2000e-003**	**1.0000e-005**		**3.4100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

Option B or C: Building 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
Industrial Park	33.14	1000sqft	0.71	33,140.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0
Refrigerated Warehouse-No Rail	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Exterior architectural coatings VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

Area Coating - VOC content per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	32.00
tblConstructionPhase	NumDays	230.00	153.00
tblConstructionPhase	NumDays	8.00	9.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	7/13/2023	1/31/2023
tblConstructionPhase	PhaseEndDate	5/24/2023	1/31/2023
tblConstructionPhase	PhaseEndDate	7/6/2022	6/30/2022
tblConstructionPhase	PhaseEndDate	6/19/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	6/20/2023	12/19/2022
tblConstructionPhase	PhaseStartDate	7/7/2022	7/1/2022
tblConstructionPhase	PhaseStartDate	6/27/2022	6/20/2022
tblConstructionPhase	PhaseStartDate	5/25/2023	11/1/2022
tblGrading	AcresOfGrading	9.00	7.30
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	0.76	0.71
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.43

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	ST_TR	2.12	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	SU_TR	2.12	4.22
tblVehicleTrips	WD_TR	3.37	4.22

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

tblVehicleTrips	WD_TR	2.12	4.22

2.0 Emissions Summary

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	10.8678	19.8069	20.9411	0.0408	1.0831	0.8491	1.9104	0.2910	0.7811	0.9533	0.0000	3,954.4829	3,954.4829	0.9925	0.1009	4,000.9024
2023	10.7350	10.1459	15.3466	0.0319	1.0831	0.4327	1.5158	0.2910	0.4205	0.7115	0.0000	3,115.5020	3,115.5020	0.3085	0.0953	3,151.6091
Maximum	**10.8678**	**19.8069**	**20.9411**	**0.0408**	**1.0831**	**0.8491**	**1.9104**	**0.2910**	**0.7811**	**0.9533**	**0.0000**	**3,954.4829**	**3,954.4829**	**0.9925**	**0.1009**	**4,000.9024**

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					
2022	10.8678	19.8069	20.9411	0.0408	0.3967	0.8491	1.2458	0.1113	0.7811	0.8364	0.0000	3,954.4829	3,954.4829	0.9925	0.1009	4,000.9024
2023	10.7350	10.1459	15.3466	0.0319	0.3508	0.4327	0.7834	0.1113	0.4205	0.5317	0.0000	3,115.5020	3,115.5020	0.3085	0.0953	3,151.6091
Maximum	**10.8678**	**19.8069**	**20.9411**	**0.0408**	**0.3967**	**0.8491**	**1.2458**	**0.1113**	**0.7811**	**0.8364**	**0.0000**	**3,954.4829**	**3,954.4829**	**0.9925**	**0.1009**	**4,000.9024**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	65.49	0.00	40.77	61.77	0.00	17.82	0.00	0.00	0.00	0.00	0.00	0.00

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509
Mobile	0.8978	1.1123	10.0669	0.0226	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,305.2853	2,305.2853	0.1499	0.0963	2,337.7301
Total	**2.1787**	**1.2110**	**10.1559**	**0.0232**	**2.4182**	**0.0241**	**2.4423**	**0.6441**	**0.0229**	**0.6670**		**2,423.6462**	**2,423.6462**	**0.1522**	**0.0985**	**2,456.7951**

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	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509
Mobile	0.8978	1.1123	10.0669	0.0226	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,305.2853	2,305.2853	0.1499	0.0963	2,337.7301
Total	**2.1787**	**1.2110**	**10.1559**	**0.0232**	**2.4182**	**0.0241**	**2.4423**	**0.6441**	**0.0229**	**0.6670**		**2,423.6462**	**2,423.6462**	**0.1522**	**0.0985**	**2,456.7951**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/20/2022	6/30/2022	5	9	
2	Building Construction	Building Construction	7/1/2022	1/31/2023	5	153	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	12/19/2022	1/31/2023	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,210; Non-Residential Outdoor: 29,070; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8602	0.0000	0.8602	0.0929	0.0000	0.0929			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799		3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.8602**	**0.8478**	**1.7080**	**0.0929**	**0.7799**	**0.8728**		**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3355	0.0000	0.3355	0.0362	0.0000	0.0362			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799	0.0000	3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.3355**	**0.8478**	**1.1832**	**0.0362**	**0.7799**	**0.8162**	**0.0000**	**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9209	7.6787	9.8511	0.0154		0.3811	0.3811		0.3675	0.3675		1,441.4577	1,441.4577	0.2520		1,447.7581
Total	**0.9209**	**7.6787**	**9.8511**	**0.0154**		**0.3811**	**0.3811**		**0.3675**	**0.3675**		**1,441.4577**	**1,441.4577**	**0.2520**		**1,447.7581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.1665	0.0122	0.1787	0.0480	0.0117	0.0596		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.9266**	**0.0170**	**0.9437**	**0.2495**	**0.0161**	**0.2657**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9209	7.6787	9.8511	0.0154		0.3811	0.3811		0.3675	0.3675	0.0000	1,441.4577	1,441.4577	0.2520		1,447.7581
Total	**0.9209**	**7.6787**	**9.8511**	**0.0154**		**0.3811**	**0.3811**		**0.3675**	**0.3675**	**0.0000**	**1,441.4577**	**1,441.4577**	**0.2520**		**1,447.7581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.0717	0.0122	0.0838	0.0247	0.0117	0.0363		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.3031**	**0.0170**	**0.3202**	**0.0965**	**0.0161**	**0.1126**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 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	0.8487	7.1616	9.8091	0.0155		0.3277	0.3277		0.3161	0.3161		1,441.7952	1,441.7952	0.2477		1,447.9888
Total	**0.8487**	**7.1616**	**9.8091**	**0.0155**		**0.3277**	**0.3277**		**0.3161**	**0.3161**		**1,441.7952**	**1,441.7952**	**0.2477**		**1,447.9888**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0289	1.0449	0.3988	4.8500e-003	0.1665	5.0500e-003	0.1716	0.0480	4.8300e-003	0.0528		521.6128	521.6128	0.0174	0.0751	544.4169
Worker	0.2338	0.1676	2.2589	6.3700e-003	0.7601	4.5700e-003	0.7647	0.2016	4.2100e-003	0.2058		644.2005	644.2005	0.0174	0.0168	649.6305
Total	**0.2627**	**1.2124**	**2.6576**	**0.0112**	**0.9266**	**9.6200e-003**	**0.9362**	**0.2495**	**9.0400e-003**	**0.2586**		**1,165.8132**	**1,165.8132**	**0.0348**	**0.0918**	**1,194.0474**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 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	0.8487	7.1616	9.8091	0.0155		0.3277	0.3277		0.3161	0.3161	0.0000	1,441.7952	1,441.7952	0.2477		1,447.9888
Total	**0.8487**	**7.1616**	**9.8091**	**0.0155**		**0.3277**	**0.3277**		**0.3161**	**0.3161**	**0.0000**	**1,441.7952**	**1,441.7952**	**0.2477**		**1,447.9888**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0289	1.0449	0.3988	4.8500e-003	0.0717	5.0500e-003	0.0767	0.0247	4.8300e-003	0.0295		521.6128	521.6128	0.0174	0.0751	544.4169
Worker	0.2338	0.1676	2.2589	6.3700e-003	0.2315	4.5700e-003	0.2360	0.0718	4.2100e-003	0.0760		644.2005	644.2005	0.0174	0.0168	649.6305
Total	**0.2627**	**1.2124**	**2.6576**	**0.0112**	**0.3031**	**9.6200e-003**	**0.3127**	**0.0965**	**9.0400e-003**	**0.1055**		**1,165.8132**	**1,165.8132**	**0.0348**	**0.0918**	**1,194.0474**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**9.5927**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**9.5927**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**9.5755**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0345	0.4651	1.3100e-003	0.1565	9.4000e-004	0.1574	0.0415	8.7000e-004	0.0424		132.6295	132.6295	3.5800e-003	3.4500e-003	133.7475
Total	**0.0481**	**0.0345**	**0.4651**	**1.3100e-003**	**0.1565**	**9.4000e-004**	**0.1574**	**0.0415**	**8.7000e-004**	**0.0424**		**132.6295**	**132.6295**	**3.5800e-003**	**3.4500e-003**	**133.7475**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 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					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**9.5755**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0345	0.4651	1.3100e-003	0.0477	9.4000e-004	0.0486	0.0148	8.7000e-004	0.0157		132.6295	132.6295	3.5800e-003	3.4500e-003	133.7475
Total	**0.0481**	**0.0345**	**0.4651**	**1.3100e-003**	**0.0477**	**9.4000e-004**	**0.0486**	**0.0148**	**8.7000e-004**	**0.0157**		**132.6295**	**132.6295**	**3.5800e-003**	**3.4500e-003**	**133.7475**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

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	0.8978	1.1123	10.0669	0.0226	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,305.2853	2,305.2853	0.1499	0.0963	2,337.7301
Unmitigated	0.8978	1.1123	10.0669	0.0226	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,305.2853	2,305.2853	0.1499	0.0963	2,337.7301

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	139.85	139.85	139.85	663,963	663,963
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	105.50	105.50	105.50	484,748	484,748
Total	245.35	245.35	245.35	1,148,711	1,148,711

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Refrigerated Warehouse-No Rail	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509
NaturalGas Unmitigated	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	936.092	0.0101	0.0918	0.0771	5.5000e-004		6.9700e-003	6.9700e-003		6.9700e-003	6.9700e-003		110.1284	110.1284	2.1100e-003	2.0200e-003	110.7829
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	69.863	7.5000e-004	6.8500e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2192	8.2192	1.6000e-004	1.5000e-004	8.2680
Total		**0.0109**	**0.0986**	**0.0828**	**5.9000e-004**		**7.4900e-003**	**7.4900e-003**		**7.4900e-003**	**7.4900e-003**		**118.3476**	**118.3476**	**2.2700e-003**	**2.1700e-003**	**119.0509**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	0.936092	0.0101	0.0918	0.0771	5.5000e-004		6.9700e-003	6.9700e-003		6.9700e-003	6.9700e-003		110.1284	110.1284	2.1100e-003	2.0200e-003	110.7829
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.069863	7.5000e-004	6.8500e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2192	8.2192	1.6000e-004	1.5000e-004	8.2680
Total		**0.0109**	**0.0986**	**0.0828**	**5.9000e-004**		**7.4900e-003**	**7.4900e-003**		**7.4900e-003**	**7.4900e-003**		**118.3476**	**118.3476**	**2.2700e-003**	**2.1700e-003**	**119.0509**

6.0 Area Detail

6.1 Mitigation Measures Area

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2701**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2701**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 1 - Los Angeles-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

Option B or C: Building 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
Industrial Park	33.14	1000sqft	0.71	33,140.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0
Refrigerated Warehouse-No Rail	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Exterior architectural coatings VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

Area Coating - VOC content per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	32.00
tblConstructionPhase	NumDays	230.00	153.00
tblConstructionPhase	NumDays	8.00	9.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	7/13/2023	1/31/2023
tblConstructionPhase	PhaseEndDate	5/24/2023	1/31/2023
tblConstructionPhase	PhaseEndDate	7/6/2022	6/30/2022
tblConstructionPhase	PhaseEndDate	6/19/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	6/20/2023	12/19/2022
tblConstructionPhase	PhaseStartDate	7/7/2022	7/1/2022
tblConstructionPhase	PhaseStartDate	6/27/2022	6/20/2022
tblConstructionPhase	PhaseStartDate	5/25/2023	11/1/2022
tblGrading	AcresOfGrading	9.00	7.30
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	0.76	0.71
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.43

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	ST_TR	2.12	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	SU_TR	2.12	4.22
tblVehicleTrips	WD_TR	3.37	4.22

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

tblVehicleTrips	WD_TR	2.12	4.22

2.0 Emissions Summary

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	10.8485	19.8021	21.1870	0.0412	1.0831	0.8491	1.9104	0.2910	0.7811	0.9533	0.0000	3,998.5347	3,998.5347	0.9924	0.0994	4,044.5046
2023	10.7165	10.0799	15.5740	0.0324	1.0831	0.4326	1.5157	0.2910	0.4204	0.7115	0.0000	3,157.8555	3,157.8555	0.3083	0.0938	3,193.5135
Maximum	**10.8485**	**19.8021**	**21.1870**	**0.0412**	**1.0831**	**0.8491**	**1.9104**	**0.2910**	**0.7811**	**0.9533**	**0.0000**	**3,998.5347**	**3,998.5347**	**0.9924**	**0.0994**	**4,044.5046**

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					
2022	10.8485	19.8021	21.1870	0.0412	0.3967	0.8491	1.2458	0.1113	0.7811	0.8364	0.0000	3,998.5347	3,998.5347	0.9924	0.0994	4,044.5046
2023	10.7165	10.0799	15.5740	0.0324	0.3508	0.4326	0.7834	0.1113	0.4204	0.5317	0.0000	3,157.8555	3,157.8555	0.3083	0.0938	3,193.5135
Maximum	**10.8485**	**19.8021**	**21.1870**	**0.0412**	**0.3967**	**0.8491**	**1.2458**	**0.1113**	**0.7811**	**0.8364**	**0.0000**	**3,998.5347**	**3,998.5347**	**0.9924**	**0.0994**	**4,044.5046**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	65.49	0.00	40.77	61.77	0.00	17.82	0.00	0.00	0.00	0.00	0.00	0.00

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509
Mobile	0.9099	1.0293	10.4165	0.0236	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,408.8164	2,408.8164	0.1469	0.0922	2,439.9742
Total	**2.1908**	**1.1280**	**10.5055**	**0.0242**	**2.4182**	**0.0241**	**2.4423**	**0.6441**	**0.0229**	**0.6670**		**2,527.1772**	**2,527.1772**	**0.1492**	**0.0944**	**2,559.0391**

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	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509
Mobile	0.9099	1.0293	10.4165	0.0236	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,408.8164	2,408.8164	0.1469	0.0922	2,439.9742
Total	**2.1908**	**1.1280**	**10.5055**	**0.0242**	**2.4182**	**0.0241**	**2.4423**	**0.6441**	**0.0229**	**0.6670**		**2,527.1772**	**2,527.1772**	**0.1492**	**0.0944**	**2,559.0391**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/20/2022	6/30/2022	5	9	
2	Building Construction	Building Construction	7/1/2022	1/31/2023	5	153	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	12/19/2022	1/31/2023	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,210; Non-Residential Outdoor: 29,070; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8602	0.0000	0.8602	0.0929	0.0000	0.0929			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799		3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.8602**	**0.8478**	**1.7080**	**0.0929**	**0.7799**	**0.8728**		**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3355	0.0000	0.3355	0.0362	0.0000	0.0362			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799	0.0000	3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.3355**	**0.8478**	**1.1832**	**0.0362**	**0.7799**	**0.8162**	**0.0000**	**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9209	7.6787	9.8511	0.0154		0.3811	0.3811		0.3675	0.3675		1,441.4577	1,441.4577	0.2520		1,447.7581
Total	**0.9209**	**7.6787**	**9.8511**	**0.0154**		**0.3811**	**0.3811**		**0.3675**	**0.3675**		**1,441.4577**	**1,441.4577**	**0.2520**		**1,447.7581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.1665	0.0121	0.1787	0.0480	0.0116	0.0596		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.9266**	**0.0170**	**0.9436**	**0.2495**	**0.0161**	**0.2656**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9209	7.6787	9.8511	0.0154		0.3811	0.3811		0.3675	0.3675	0.0000	1,441.4577	1,441.4577	0.2520		1,447.7581
Total	**0.9209**	**7.6787**	**9.8511**	**0.0154**		**0.3811**	**0.3811**		**0.3675**	**0.3675**	**0.0000**	**1,441.4577**	**1,441.4577**	**0.2520**		**1,447.7581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.0717	0.0121	0.0838	0.0247	0.0116	0.0363		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.3031**	**0.0170**	**0.3201**	**0.0965**	**0.0161**	**0.1126**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 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	0.8487	7.1616	9.8091	0.0155		0.3277	0.3277		0.3161	0.3161		1,441.7952	1,441.7952	0.2477		1,447.9888
Total	**0.8487**	**7.1616**	**9.8091**	**0.0155**		**0.3277**	**0.3277**		**0.3161**	**0.3161**		**1,441.7952**	**1,441.7952**	**0.2477**		**1,447.9888**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.9980	0.3866	4.8400e-003	0.1665	5.0200e-003	0.1716	0.0480	4.8000e-003	0.0528		520.7344	520.7344	0.0175	0.0749	543.4809
Worker	0.2176	0.1517	2.4575	6.7300e-003	0.7601	4.5700e-003	0.7647	0.2016	4.2100e-003	0.2058		680.0513	680.0513	0.0172	0.0157	685.1567
Total	**0.2475**	**1.1497**	**2.8441**	**0.0116**	**0.9266**	**9.5900e-003**	**0.9362**	**0.2495**	**9.0100e-003**	**0.2585**		**1,200.7857**	**1,200.7857**	**0.0346**	**0.0906**	**1,228.6376**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 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	0.8487	7.1616	9.8091	0.0155		0.3277	0.3277		0.3161	0.3161	0.0000	1,441.7952	1,441.7952	0.2477		1,447.9888
Total	**0.8487**	**7.1616**	**9.8091**	**0.0155**		**0.3277**	**0.3277**		**0.3161**	**0.3161**	**0.0000**	**1,441.7952**	**1,441.7952**	**0.2477**		**1,447.9888**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.9980	0.3866	4.8400e-003	0.0717	5.0200e-003	0.0767	0.0247	4.8000e-003	0.0295		520.7344	520.7344	0.0175	0.0749	543.4809
Worker	0.2176	0.1517	2.4575	6.7300e-003	0.2315	4.5700e-003	0.2360	0.0718	4.2100e-003	0.0760		680.0513	680.0513	0.0172	0.0157	685.1567
Total	**0.2475**	**1.1497**	**2.8441**	**0.0116**	**0.3031**	**9.5900e-003**	**0.3127**	**0.0965**	**9.0100e-003**	**0.1055**		**1,200.7857**	**1,200.7857**	**0.0346**	**0.0906**	**1,228.6376**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**9.5927**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**9.5927**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**9.5755**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0312	0.5060	1.3900e-003	0.1565	9.4000e-004	0.1574	0.0415	8.7000e-004	0.0424		140.0106	140.0106	3.5300e-003	3.2300e-003	141.0617
Total	**0.0448**	**0.0312**	**0.5060**	**1.3900e-003**	**0.1565**	**9.4000e-004**	**0.1574**	**0.0415**	**8.7000e-004**	**0.0424**		**140.0106**	**140.0106**	**3.5300e-003**	**3.2300e-003**	**141.0617**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 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					
Archit. Coating	9.3200					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**9.5755**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0312	0.5060	1.3900e-003	0.0477	9.4000e-004	0.0486	0.0148	8.7000e-004	0.0157		140.0106	140.0106	3.5300e-003	3.2300e-003	141.0617
Total	**0.0448**	**0.0312**	**0.5060**	**1.3900e-003**	**0.0477**	**9.4000e-004**	**0.0486**	**0.0148**	**8.7000e-004**	**0.0157**		**140.0106**	**140.0106**	**3.5300e-003**	**3.2300e-003**	**141.0617**

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9099	1.0293	10.4165	0.0236	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,408.8164	2,408.8164	0.1469	0.0922	2,439.9742
Unmitigated	0.9099	1.0293	10.4165	0.0236	2.4182	0.0166	2.4348	0.6441	0.0154	0.6595		2,408.8164	2,408.8164	0.1469	0.0922	2,439.9742

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	139.85	139.85	139.85	663,963	663,963
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	105.50	105.50	105.50	484,748	484,748
Total	245.35	245.35	245.35	1,148,711	1,148,711

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Refrigerated Warehouse-No Rail	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509
NaturalGas Unmitigated	0.0109	0.0986	0.0828	5.9000e-004		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003		118.3476	118.3476	2.2700e-003	2.1700e-003	119.0509

Option B or C: Building 1 - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	936.092	0.0101	0.0918	0.0771	5.5000e-004		6.9700e-003	6.9700e-003		6.9700e-003	6.9700e-003		110.1284	110.1284	2.1100e-003	2.0200e-003	110.7829
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	69.863	7.5000e-004	6.8500e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2192	8.2192	1.6000e-004	1.5000e-004	8.2680
Total		**0.0109**	**0.0986**	**0.0828**	**5.9000e-004**		**7.4900e-003**	**7.4900e-003**		**7.4900e-003**	**7.4900e-003**		**118.3476**	**118.3476**	**2.2700e-003**	**2.1700e-003**	**119.0509**

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	0.936092	0.0101	0.0918	0.0771	5.5000e-004		6.9700e-003	6.9700e-003		6.9700e-003	6.9700e-003		110.1284	110.1284	2.1100e-003	2.0200e-003	110.7829
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.069863	7.5000e-004	6.8500e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2192	8.2192	1.6000e-004	1.5000e-004	8.2680
Total		**0.0109**	**0.0986**	**0.0828**	**5.9000e-004**		**7.4900e-003**	**7.4900e-003**		**7.4900e-003**	**7.4900e-003**		**118.3476**	**118.3476**	**2.2700e-003**	**2.1700e-003**	**119.0509**

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2701	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2701**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2701**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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

Option B or C: Building 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
Industrial Park	33.14	1000sqft	0.71	33,140.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0
Refrigerated Warehouse-No Rail	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Exterior architectural coatings VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

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

Area Coating - VOC content per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	32.00
tblConstructionPhase	NumDays	230.00	153.00
tblConstructionPhase	NumDays	8.00	9.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	7/13/2023	1/31/2023
tblConstructionPhase	PhaseEndDate	5/24/2023	1/31/2023
tblConstructionPhase	PhaseEndDate	7/6/2022	6/30/2022
tblConstructionPhase	PhaseEndDate	6/19/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	6/20/2023	12/19/2022
tblConstructionPhase	PhaseStartDate	7/7/2022	7/1/2022
tblConstructionPhase	PhaseStartDate	6/27/2022	6/20/2022
tblConstructionPhase	PhaseStartDate	5/25/2023	11/1/2022
tblGrading	AcresOfGrading	9.00	7.30
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	0.76	0.71
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.43

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	ST_TR	2.12	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	SU_TR	2.12	4.22
tblVehicleTrips	WD_TR	3.37	4.22

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

tblVehicleTrips	WD_TR	2.12	4.22

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1459	0.7691	1.0185	2.1100e-003	0.0666	0.0338	0.1004	0.0173	0.0323	0.0496	0.0000	186.8314	186.8314	0.0251	5.8600e-003	189.2045
2023	0.1179	0.1117	0.1695	3.5000e-004	0.0117	4.7600e-003	0.0165	3.1500e-003	4.6200e-003	7.7700e-003	0.0000	31.2003	31.2003	3.0800e-003	9.5000e-004	31.5613
Maximum	**0.1459**	**0.7691**	**1.0185**	**2.1100e-003**	**0.0666**	**0.0338**	**0.1004**	**0.0173**	**0.0323**	**0.0496**	**0.0000**	**186.8314**	**186.8314**	**0.0251**	**5.8600e-003**	**189.2045**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1459	0.7691	1.0185	2.1100e-003	0.0221	0.0338	0.0559	6.7300e-003	0.0323	0.0390	0.0000	186.8313	186.8313	0.0251	5.8600e-003	189.2043
2023	0.1179	0.1117	0.1695	3.5000e-004	3.8100e-003	4.7600e-003	8.5700e-003	1.2100e-003	4.6200e-003	5.8400e-003	0.0000	31.2002	31.2002	3.0800e-003	9.5000e-004	31.5613
Maximum	**0.1459**	**0.7691**	**1.0185**	**2.1100e-003**	**0.0221**	**0.0338**	**0.0559**	**6.7300e-003**	**0.0323**	**0.0390**	**0.0000**	**186.8313**	**186.8313**	**0.0251**	**5.8600e-003**	**189.2043**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**66.89**	**0.00**	**44.82**	**61.23**	**0.00**	**21.83**	**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	**6-27-2022**	**9-26-2022**	0.3556	0.3556
2	**9-27-2022**	**12-26-2022**	0.4472	0.4472
3	**12-27-2022**	**3-26-2023**	0.2704	0.2704
		Highest	0.4472	0.4472

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	0.2318	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	1.9800e-003	0.0180	0.0151	1.1000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	292.1002	292.1002	0.0134	1.9300e-003	293.0109
Mobile	0.1612	0.2058	1.8537	4.1600e-003	0.4315	3.0100e-003	0.4345	0.1151	2.7900e-003	0.1179	0.0000	384.7422	384.7422	0.0247	0.0160	390.1345
Waste						0.0000	0.0000		0.0000	0.0000	13.1112	0.0000	13.1112	0.7749	0.0000	32.4824
Water						0.0000	0.0000		0.0000	0.0000	4.2654	54.9491	59.2145	0.4407	0.0107	73.4099
Total	**0.3949**	**0.2238**	**1.8696**	**4.2700e-003**	**0.4315**	**4.3800e-003**	**0.4359**	**0.1151**	**4.1600e-003**	**0.1193**	**17.3766**	**731.7929**	**749.1695**	**1.2536**	**0.0286**	**789.0393**

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2318	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	1.9800e-003	0.0180	0.0151	1.1000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	292.1002	292.1002	0.0134	1.9300e-003	293.0109
Mobile	0.1612	0.2058	1.8537	4.1600e-003	0.4315	3.0100e-003	0.4345	0.1151	2.7900e-003	0.1179	0.0000	384.7422	384.7422	0.0247	0.0160	390.1345
Waste						0.0000	0.0000		0.0000	0.0000	13.1112	0.0000	13.1112	0.7749	0.0000	32.4824
Water						0.0000	0.0000		0.0000	0.0000	4.2654	54.9491	59.2145	0.4407	0.0107	73.4099
Total	**0.3949**	**0.2238**	**1.8696**	**4.2700e-003**	**0.4315**	**4.3800e-003**	**0.4359**	**0.1151**	**4.1600e-003**	**0.1193**	**17.3766**	**731.7929**	**749.1695**	**1.2536**	**0.0286**	**789.0393**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/20/2022	6/30/2022	5	9	
2	Building Construction	Building Construction	7/1/2022	1/31/2023	5	153	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	

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4	Architectural Coating	Architectural Coating	12/19/2022	1/31/2023	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,210; Non-Residential Outdoor: 29,070; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48

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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8700e-003	0.0000	3.8700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9500e-003	0.0889	0.0713	1.4000e-004		3.8100e-003	3.8100e-003		3.5100e-003	3.5100e-003	0.0000	12.4626	12.4626	4.0300e-003	0.0000	12.5634
Total	**7.9500e-003**	**0.0889**	**0.0713**	**1.4000e-004**	**3.8700e-003**	**3.8100e-003**	**7.6800e-003**	**4.2000e-004**	**3.5100e-003**	**3.9300e-003**	**0.0000**	**12.4626**	**12.4626**	**4.0300e-003**	**0.0000**	**12.5634**

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3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.3000e-004	3.0000e-003	1.0000e-005	8.9000e-004	1.0000e-005	8.9000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.7300	0.7300	2.0000e-005	2.0000e-005	0.7365
Total	**2.8000e-004**	**2.3000e-004**	**3.0000e-003**	**1.0000e-005**	**8.9000e-004**	**1.0000e-005**	**8.9000e-004**	**2.4000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**0.7300**	**0.7300**	**2.0000e-005**	**2.0000e-005**	**0.7365**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5100e-003	0.0000	1.5100e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9500e-003	0.0889	0.0713	1.4000e-004		3.8100e-003	3.8100e-003		3.5100e-003	3.5100e-003	0.0000	12.4626	12.4626	4.0300e-003	0.0000	12.5634
Total	**7.9500e-003**	**0.0889**	**0.0713**	**1.4000e-004**	**1.5100e-003**	**3.8100e-003**	**5.3200e-003**	**1.6000e-004**	**3.5100e-003**	**3.6700e-003**	**0.0000**	**12.4626**	**12.4626**	**4.0300e-003**	**0.0000**	**12.5634**

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

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.3000e-004	3.0000e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.7300	0.7300	2.0000e-005	2.0000e-005	0.7365
Total	**2.8000e-004**	**2.3000e-004**	**3.0000e-003**	**1.0000e-005**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**8.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**0.7300**	**0.7300**	**2.0000e-005**	**2.0000e-005**	**0.7365**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0603	0.5030	0.6453	1.0100e-003		0.0250	0.0250		0.0241	0.0241	0.0000	85.6523	85.6523	0.0150	0.0000	86.0267
Total	**0.0603**	**0.5030**	**0.6453**	**1.0100e-003**		**0.0250**	**0.0250**		**0.0241**	**0.0241**	**0.0000**	**85.6523**	**85.6523**	**0.0150**	**0.0000**	**86.0267**

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3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3200e-003	0.0876	0.0290	3.3000e-004	0.0107	8.0000e-004	0.0115	3.1000e-003	7.6000e-004	3.8600e-003	0.0000	32.5201	32.5201	1.0900e-003	4.6900e-003	33.9452
Worker	0.0153	0.0127	0.1651	4.4000e-004	0.0488	3.2000e-004	0.0491	0.0130	2.9000e-004	0.0133	0.0000	40.1413	40.1413	1.1500e-003	1.1000e-003	40.4970
Total	**0.0186**	**0.1003**	**0.1942**	**7.7000e-004**	**0.0595**	**1.1200e-003**	**0.0607**	**0.0161**	**1.0500e-003**	**0.0171**	**0.0000**	**72.6614**	**72.6614**	**2.2400e-003**	**5.7900e-003**	**74.4422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0603	0.5030	0.6453	1.0100e-003		0.0250	0.0250		0.0241	0.0241	0.0000	85.6522	85.6522	0.0150	0.0000	86.0266
Total	**0.0603**	**0.5030**	**0.6453**	**1.0100e-003**		**0.0250**	**0.0250**		**0.0241**	**0.0241**	**0.0000**	**85.6522**	**85.6522**	**0.0150**	**0.0000**	**86.0266**

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

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3200e-003	0.0876	0.0290	3.3000e-004	4.6600e-003	8.0000e-004	5.4500e-003	1.6100e-003	7.6000e-004	2.3700e-003	0.0000	32.5201	32.5201	1.0900e-003	4.6900e-003	33.9452
Worker	0.0153	0.0127	0.1651	4.4000e-004	0.0150	3.2000e-004	0.0153	4.6600e-003	2.9000e-004	4.9500e-003	0.0000	40.1413	40.1413	1.1500e-003	1.1000e-003	40.4970
Total	**0.0186**	**0.1003**	**0.1942**	**7.7000e-004**	**0.0196**	**1.1200e-003**	**0.0207**	**6.2700e-003**	**1.0500e-003**	**7.3200e-003**	**0.0000**	**72.6614**	**72.6614**	**2.2400e-003**	**5.7900e-003**	**74.4422**

3.3 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	9.3400e-003	0.0788	0.1079	1.7000e-004		3.6000e-003	3.6000e-003		3.4800e-003	3.4800e-003	0.0000	14.3877	14.3877	2.4700e-003	0.0000	14.4495
Total	**9.3400e-003**	**0.0788**	**0.1079**	**1.7000e-004**		**3.6000e-003**	**3.6000e-003**		**3.4800e-003**	**3.4800e-003**	**0.0000**	**14.3877**	**14.3877**	**2.4700e-003**	**0.0000**	**14.4495**

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3.3 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	3.2000e-004	0.0115	4.3100e-003	5.0000e-005	1.8000e-003	6.0000e-005	1.8600e-003	5.2000e-004	5.0000e-005	5.7000e-004	0.0000	5.2001	5.2001	1.7000e-004	7.5000e-004	5.4275
Worker	2.3700e-003	1.8800e-003	0.0255	7.0000e-005	8.2000e-003	5.0000e-005	8.2500e-003	2.1800e-003	5.0000e-005	2.2200e-003	0.0000	6.5244	6.5244	1.7000e-004	1.7000e-004	6.5793
Total	**2.6900e-003**	**0.0134**	**0.0298**	**1.2000e-004**	**0.0100**	**1.1000e-004**	**0.0101**	**2.7000e-003**	**1.0000e-004**	**2.7900e-003**	**0.0000**	**11.7245**	**11.7245**	**3.4000e-004**	**9.2000e-004**	**12.0068**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.3400e-003	0.0788	0.1079	1.7000e-004		3.6000e-003	3.6000e-003		3.4800e-003	3.4800e-003	0.0000	14.3877	14.3877	2.4700e-003	0.0000	14.4495
Total	**9.3400e-003**	**0.0788**	**0.1079**	**1.7000e-004**		**3.6000e-003**	**3.6000e-003**		**3.4800e-003**	**3.4800e-003**	**0.0000**	**14.3877**	**14.3877**	**2.4700e-003**	**0.0000**	**14.4495**

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3.3 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	3.2000e-004	0.0115	4.3100e-003	5.0000e-005	7.8000e-004	6.0000e-005	8.4000e-004	2.7000e-004	5.0000e-005	3.2000e-004	0.0000	5.2001	5.2001	1.7000e-004	7.5000e-004	5.4275
Worker	2.3700e-003	1.8800e-003	0.0255	7.0000e-005	2.5100e-003	5.0000e-005	2.5600e-003	7.8000e-004	5.0000e-005	8.3000e-004	0.0000	6.5244	6.5244	1.7000e-004	1.7000e-004	6.5793
Total	**2.6900e-003**	**0.0134**	**0.0298**	**1.2000e-004**	**3.2900e-003**	**1.1000e-004**	**3.4000e-003**	**1.0500e-003**	**1.0000e-004**	**1.1500e-003**	**0.0000**	**11.7245**	**11.7245**	**3.4000e-004**	**9.2000e-004**	**12.0068**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7942
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7942**

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3.4 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7941
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7941**

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3.4 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3600e-003	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049
Total	**0.0480**	**9.3900e-003**	**0.0121**	**2.0000e-005**		**5.4000e-004**	**5.4000e-004**		**5.4000e-004**	**5.4000e-004**	**0.0000**	**1.7022**	**1.7022**	**1.1000e-004**	**0.0000**	**1.7049**

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

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	2.0000e-004	2.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6309	0.6309	2.0000e-005	2.0000e-005	0.6365
Total	**2.4000e-004**	**2.0000e-004**	**2.6000e-003**	**1.0000e-005**	**7.7000e-004**	**1.0000e-005**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**0.6309**	**0.6309**	**2.0000e-005**	**2.0000e-005**	**0.6365**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3600e-003	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049
Total	**0.0480**	**9.3900e-003**	**0.0121**	**2.0000e-005**		**5.4000e-004**	**5.4000e-004**		**5.4000e-004**	**5.4000e-004**	**0.0000**	**1.7022**	**1.7022**	**1.1000e-004**	**0.0000**	**1.7049**

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3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	2.0000e-004	2.6000e-003	1.0000e-005	2.4000e-004	1.0000e-005	2.4000e-004	7.0000e-005	0.0000	8.0000e-005	0.0000	0.6309	0.6309	2.0000e-005	2.0000e-005	0.6365
Total	**2.4000e-004**	**2.0000e-004**	**2.6000e-003**	**1.0000e-005**	**2.4000e-004**	**1.0000e-005**	**2.4000e-004**	**7.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.6309**	**0.6309**	**2.0000e-005**	**2.0000e-005**	**0.6365**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1025					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8100e-003	0.0191	0.0266	4.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	3.7448	3.7448	2.2000e-004	0.0000	3.7504
Total	**0.1053**	**0.0191**	**0.0266**	**4.0000e-005**		**1.0400e-003**	**1.0400e-003**		**1.0400e-003**	**1.0400e-003**	**0.0000**	**3.7448**	**3.7448**	**2.2000e-004**	**0.0000**	**3.7504**

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

3.5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.9000e-004	5.2500e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3433	1.3433	4.0000e-005	3.0000e-005	1.3546
Total	**4.9000e-004**	**3.9000e-004**	**5.2500e-003**	**1.0000e-005**	**1.6900e-003**	**1.0000e-005**	**1.7000e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3433**	**1.3433**	**4.0000e-005**	**3.0000e-005**	**1.3546**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1025					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8100e-003	0.0191	0.0266	4.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	3.7448	3.7448	2.2000e-004	0.0000	3.7504
Total	**0.1053**	**0.0191**	**0.0266**	**4.0000e-005**		**1.0400e-003**	**1.0400e-003**		**1.0400e-003**	**1.0400e-003**	**0.0000**	**3.7448**	**3.7448**	**2.2000e-004**	**0.0000**	**3.7504**

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

3.5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.9000e-004	5.2500e-003	1.0000e-005	5.2000e-004	1.0000e-005	5.3000e-004	1.6000e-004	1.0000e-005	1.7000e-004	0.0000	1.3433	1.3433	4.0000e-005	3.0000e-005	1.3546
Total	**4.9000e-004**	**3.9000e-004**	**5.2500e-003**	**1.0000e-005**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**1.6000e-004**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**1.3433**	**1.3433**	**4.0000e-005**	**3.0000e-005**	**1.3546**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1612	0.2058	1.8537	4.1600e-003	0.4315	3.0100e-003	0.4345	0.1151	2.7900e-003	0.1179	0.0000	384.7422	384.7422	0.0247	0.0160	390.1345
Unmitigated	0.1612	0.2058	1.8537	4.1600e-003	0.4315	3.0100e-003	0.4345	0.1151	2.7900e-003	0.1179	0.0000	384.7422	384.7422	0.0247	0.0160	390.1345

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	139.85	139.85	139.85	663,963	663,963
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	105.50	105.50	105.50	484,748	484,748
Total	245.35	245.35	245.35	1,148,711	1,148,711

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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

Refrigerated Warehouse-No Rail	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	272.5064	272.5064	0.0130	1.5800e-003	273.3007
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	272.5064	272.5064	0.0130	1.5800e-003	273.3007
NaturalGas Mitigated	1.9800e-003	0.0180	0.0151	1.1000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	19.5938	19.5938	3.8000e-004	3.6000e-004	19.7102
NaturalGas Unmitigated	1.9800e-003	0.0180	0.0151	1.1000e-004		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	19.5938	19.5938	3.8000e-004	3.6000e-004	19.7102

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	341673	1.8400e-003	0.0168	0.0141	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.2330	18.2330	3.5000e-004	3.3000e-004	18.3413
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	25500	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3608	1.3608	3.0000e-005	2.0000e-005	1.3689
Total		**1.9800e-003**	**0.0180**	**0.0151**	**1.1000e-004**		**1.3600e-003**	**1.3600e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**19.5938**	**19.5938**	**3.8000e-004**	**3.5000e-004**	**19.7102**

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	341673	1.8400e-003	0.0168	0.0141	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.2330	18.2330	3.5000e-004	3.3000e-004	18.3413
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	25500	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3608	1.3608	3.0000e-005	2.0000e-005	1.3689
Total		**1.9800e-003**	**0.0180**	**0.0151**	**1.1000e-004**		**1.3600e-003**	**1.3600e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**19.5938**	**19.5938**	**3.8000e-004**	**3.5000e-004**	**19.7102**

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	414250	130.0235	6.2000e-003	7.5000e-004	130.4025
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Refrigerated Warehouse-No Rail	417750	131.1221	6.2500e-003	7.6000e-004	131.5043
Total		**272.5064**	**0.0130**	**1.5800e-003**	**273.3007**

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	414250	130.0235	6.2000e-003	7.5000e-004	130.4025
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Refrigerated Warehouse-No Rail	417750	131.1221	6.2500e-003	7.6000e-004	131.5043
Total		**272.5064**	**0.0130**	**1.5800e-003**	**273.3007**

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2318	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Unmitigated	0.2318	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-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	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2318**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2318**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 1 - Los Angeles-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	59.2145	0.4407	0.0107	73.4099
Unmitigated	59.2145	0.4407	0.0107	73.4099

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	7.66362 / 0	33.7525	0.2512	6.0800e-003	41.8439
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	5.78125 / 0	25.4620	0.1895	4.5800e-003	31.5660
Total		**59.2145**	**0.4407**	**0.0107**	**73.4099**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	7.66362 / 0	33.7525	0.2512	6.0800e-003	41.8439
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	5.78125 / 0	25.4620	0.1895	4.5800e-003	31.5660
Total		**59.2145**	**0.4407**	**0.0107**	**73.4099**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Option B or C: Building 1 - Los Angeles-South Coast County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.1112	0.7749	0.0000	32.4824
Unmitigated	13.1112	0.7749	0.0000	32.4824

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	41.09	8.3409	0.4929	0.0000	20.6642
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	23.5	4.7703	0.2819	0.0000	11.8182
Total		**13.1112**	**0.7749**	**0.0000**	**32.4824**

Option B or C: Building 1 - Los Angeles-South Coast County, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	41.09	8.3409	0.4929	0.0000	20.6642
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	23.5	4.7703	0.2819	0.0000	11.8182
Total		**13.1112**	**0.7749**	**0.0000**	**32.4824**

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

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

Option B or C: Building 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
Industrial Park	58.13	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	43.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	6/8/2023	11/30/2022
tblConstructionPhase	PhaseEndDate	4/19/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	6/1/2022	4/29/2022
tblConstructionPhase	PhaseEndDate	5/15/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	5/16/2023	10/3/2022
tblConstructionPhase	PhaseStartDate	6/2/2022	5/2/2022
tblConstructionPhase	PhaseStartDate	5/21/2022	4/18/2022
tblConstructionPhase	PhaseStartDate	4/20/2023	11/1/2022
tblGrading	AcresOfGrading	10.00	7.30
tblLandUse	LandUseSquareFeet	58,130.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.38	0.38

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	WD_TR	3.37	4.22

2.0 Emissions Summary

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3137	1.3794	1.5227	3.3200e-003	0.0893	0.0600	0.1493	0.0234	0.0569	0.0803	0.0000	293.5296	293.5296	0.0461	7.8600e-003	297.0246
Maximum	**0.3137**	**1.3794**	**1.5227**	**3.3200e-003**	**0.0893**	**0.0600**	**0.1493**	**0.0234**	**0.0569**	**0.0803**	**0.0000**	**293.5296**	**293.5296**	**0.0461**	**7.8600e-003**	**297.0246**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3137	1.3794	1.5227	3.3200e-003	0.0295	0.0600	0.0895	9.0900e-003	0.0569	0.0660	0.0000	293.5294	293.5294	0.0461	7.8600e-003	297.0244
Maximum	**0.3137**	**1.3794**	**1.5227**	**3.3200e-003**	**0.0295**	**0.0600**	**0.0895**	**9.0900e-003**	**0.0569**	**0.0660**	**0.0000**	**293.5294**	**293.5294**	**0.0461**	**7.8600e-003**	**297.0244**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**66.93**	**0.00**	**40.03**	**61.20**	**0.00**	**17.85**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-18-2022	7-17-2022	0.5021	0.5021
2	7-18-2022	9-30-2022	0.3988	0.3988
		Highest	0.5021	0.5021

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	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	271.4360	271.4360	0.0120	1.9700e-003	272.3240
Mobile	0.1625	0.2082	1.8761	4.2200e-003	0.4375	3.0500e-003	0.4406	0.1167	2.8300e-003	0.1196	0.0000	389.9933	389.9933	0.0249	0.0162	395.4484
Waste						0.0000	0.0000		0.0000	0.0000	14.6316	0.0000	14.6316	0.8647	0.0000	36.2491
Water						0.0000	0.0000		0.0000	0.0000	4.2647	54.9396	59.2043	0.4407	0.0107	73.3973
Total	**0.3975**	**0.2376**	**1.9015**	**4.4000e-003**	**0.4375**	**5.2800e-003**	**0.4428**	**0.1167**	**5.0600e-003**	**0.1218**	**18.8963**	**716.3705**	**735.2668**	**1.3423**	**0.0288**	**777.4205**

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	271.4360	271.4360	0.0120	1.9700e-003	272.3240
Mobile	0.1625	0.2082	1.8761	4.2200e-003	0.4375	3.0500e-003	0.4406	0.1167	2.8300e-003	0.1196	0.0000	389.9933	389.9933	0.0249	0.0162	395.4484
Waste						0.0000	0.0000		0.0000	0.0000	14.6316	0.0000	14.6316	0.8647	0.0000	36.2491
Water						0.0000	0.0000		0.0000	0.0000	4.2647	54.9396	59.2043	0.4407	0.0107	73.3973
Total	**0.3975**	**0.2376**	**1.9015**	**4.4000e-003**	**0.4375**	**5.2800e-003**	**0.4428**	**0.1167**	**5.0600e-003**	**0.1218**	**18.8963**	**716.3705**	**735.2668**	**1.3423**	**0.0288**	**777.4205**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/18/2022	4/29/2022	5	10	
2	Building Construction	Building Construction	5/2/2022	12/30/2022	5	175	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	

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

4	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	1	8.00	231	0.29
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Aerial Lifts	1	8.00	63	0.31
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Paving	Plate Compactors	2	8.00	8	0.43
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8700e-003	0.0000	3.8700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8300e-003	0.0988	0.0792	1.6000e-004		4.2400e-003	4.2400e-003		3.9000e-003	3.9000e-003	0.0000	13.8474	13.8474	4.4800e-003	0.0000	13.9593
Total	**8.8300e-003**	**0.0988**	**0.0792**	**1.6000e-004**	**3.8700e-003**	**4.2400e-003**	**8.1100e-003**	**4.2000e-004**	**3.9000e-003**	**4.3200e-003**	**0.0000**	**13.8474**	**13.8474**	**4.4800e-003**	**0.0000**	**13.9593**

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

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.6000e-004	3.3400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8111	0.8111	2.0000e-005	2.0000e-005	0.8183
Total	**3.1000e-004**	**2.6000e-004**	**3.3400e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8111**	**0.8111**	**2.0000e-005**	**2.0000e-005**	**0.8183**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5100e-003	0.0000	1.5100e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8300e-003	0.0988	0.0792	1.6000e-004		4.2400e-003	4.2400e-003		3.9000e-003	3.9000e-003	0.0000	13.8473	13.8473	4.4800e-003	0.0000	13.9593
Total	**8.8300e-003**	**0.0988**	**0.0792**	**1.6000e-004**	**1.5100e-003**	**4.2400e-003**	**5.7500e-003**	**1.6000e-004**	**3.9000e-003**	**4.0600e-003**	**0.0000**	**13.8473**	**13.8473**	**4.4800e-003**	**0.0000**	**13.9593**

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

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.6000e-004	3.3400e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8111	0.8111	2.0000e-005	2.0000e-005	0.8183
Total	**3.1000e-004**	**2.6000e-004**	**3.3400e-003**	**1.0000e-005**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**	**9.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.8111**	**0.8111**	**2.0000e-005**	**2.0000e-005**	**0.8183**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1132	1.0380	1.0276	1.8600e-003		0.0486	0.0486		0.0461	0.0461	0.0000	158.7802	158.7802	0.0344	0.0000	159.6390
Total	**0.1132**	**1.0380**	**1.0276**	**1.8600e-003**		**0.0486**	**0.0486**		**0.0461**	**0.0461**	**0.0000**	**158.7802**	**158.7802**	**0.0344**	**0.0000**	**159.6390**

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

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4400e-003	0.1170	0.0388	4.5000e-004	0.0143	1.0600e-003	0.0154	4.1400e-003	1.0200e-003	5.1600e-003	0.0000	43.4429	43.4429	1.4500e-003	6.2700e-003	45.3466
Worker	0.0204	0.0170	0.2206	5.8000e-004	0.0652	4.3000e-004	0.0656	0.0173	3.9000e-004	0.0177	0.0000	53.6239	53.6239	1.5400e-003	1.4700e-003	54.0991
Total	**0.0248**	**0.1340**	**0.2594**	**1.0300e-003**	**0.0795**	**1.4900e-003**	**0.0810**	**0.0215**	**1.4100e-003**	**0.0229**	**0.0000**	**97.0668**	**97.0668**	**2.9900e-003**	**7.7400e-003**	**99.4457**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1132	1.0380	1.0276	1.8600e-003		0.0486	0.0486		0.0461	0.0461	0.0000	158.7800	158.7800	0.0344	0.0000	159.6388
Total	**0.1132**	**1.0380**	**1.0276**	**1.8600e-003**		**0.0486**	**0.0486**		**0.0461**	**0.0461**	**0.0000**	**158.7800**	**158.7800**	**0.0344**	**0.0000**	**159.6388**

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

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4400e-003	0.1170	0.0388	4.5000e-004	6.2200e-003	1.0600e-003	7.2900e-003	2.1500e-003	1.0200e-003	3.1600e-003	0.0000	43.4429	43.4429	1.4500e-003	6.2700e-003	45.3466
Worker	0.0204	0.0170	0.2206	5.8000e-004	0.0200	4.3000e-004	0.0204	6.2200e-003	3.9000e-004	6.6100e-003	0.0000	53.6239	53.6239	1.5400e-003	1.4700e-003	54.0991
Total	**0.0248**	**0.1340**	**0.2594**	**1.0300e-003**	**0.0262**	**1.4900e-003**	**0.0277**	**8.3700e-003**	**1.4100e-003**	**9.7700e-003**	**0.0000**	**97.0668**	**97.0668**	**2.9900e-003**	**7.7400e-003**	**99.4457**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7942
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7942**

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

3.4 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7941
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7941**

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

3.4 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1491					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.1550**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

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

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	8.6000e-004	0.0112	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.7127	2.7127	8.0000e-005	7.0000e-005	2.7368
Total	**1.0300e-003**	**8.6000e-004**	**0.0112**	**3.0000e-005**	**3.3000e-003**	**2.0000e-005**	**3.3200e-003**	**8.8000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.7127**	**2.7127**	**8.0000e-005**	**7.0000e-005**	**2.7368**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1491					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.1550**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

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

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	8.6000e-004	0.0112	3.0000e-005	1.0100e-003	2.0000e-005	1.0300e-003	3.1000e-004	2.0000e-005	3.3000e-004	0.0000	2.7127	2.7127	8.0000e-005	7.0000e-005	2.7368
Total	**1.0300e-003**	**8.6000e-004**	**0.0112**	**3.0000e-005**	**1.0100e-003**	**2.0000e-005**	**1.0300e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**2.7127**	**2.7127**	**8.0000e-005**	**7.0000e-005**	**2.7368**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1625	0.2082	1.8761	4.2200e-003	0.4375	3.0500e-003	0.4406	0.1167	2.8300e-003	0.1196	0.0000	389.9933	389.9933	0.0249	0.0162	395.4484
Unmitigated	0.1625	0.2082	1.8761	4.2200e-003	0.4375	3.0500e-003	0.4406	0.1167	2.8300e-003	0.1196	0.0000	389.9933	389.9933	0.0249	0.0162	395.4484

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	245.31	245.31	245.31	1,164,640	1,164,640
Parking Lot	0.00	0.00	0.00		
Total	245.31	245.31	245.31	1,164,640	1,164,640

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	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
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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 Not 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	239.4512	239.4512	0.0114	1.3800e-003	240.1492
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	239.4512	239.4512	0.0114	1.3800e-003	240.1492
NaturalGas Mitigated	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
NaturalGas Unmitigated	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	599372	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.2300e-003**	**0.0294**	**0.0247**	**1.8000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**31.9848**	**31.9848**	**6.1000e-004**	**5.9000e-004**	**32.1748**

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					
Industrial Park	599372	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.2300e-003**	**0.0294**	**0.0247**	**1.8000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**31.9848**	**31.9848**	**6.1000e-004**	**5.9000e-004**	**32.1748**

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	726688	228.0904	0.0109	1.3200e-003	228.7552
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Total		**239.4512**	**0.0114**	**1.3900e-003**	**240.1492**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	726688	228.0904	0.0109	1.3200e-003	228.7552
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Total		**239.4512**	**0.0114**	**1.3900e-003**	**240.1492**

6.0 Area Detail

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Unmitigated	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-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	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2317**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2317**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	59.2043	0.4407	0.0107	73.3973
Unmitigated	59.2043	0.4407	0.0107	73.3973

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	13.4426 / 0	59.2043	0.4407	0.0107	73.3973
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**59.2043**	**0.4407**	**0.0107**	**73.3973**

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	13.4426 / 0	59.2043	0.4407	0.0107	73.3973
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**59.2043**	**0.4407**	**0.0107**	**73.3973**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6316	0.8647	0.0000	36.2491
Unmitigated	14.6316	0.8647	0.0000	36.2491

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	72.08	14.6316	0.8647	0.0000	36.2491
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**14.6316**	**0.8647**	**0.0000**	**36.2491**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	72.08	14.6316	0.8647	0.0000	36.2491
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**14.6316**	**0.8647**	**0.0000**	**36.2491**

9.0 Operational Offroad

Option B or C: Building 2 - Los Angeles-South Coast County, Annual

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

Equipment Type	Number	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

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

Option B or C: Building 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
Industrial Park	58.13	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	43.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	6/8/2023	11/30/2022
tblConstructionPhase	PhaseEndDate	4/19/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	6/1/2022	4/29/2022
tblConstructionPhase	PhaseEndDate	5/15/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	5/16/2023	10/3/2022
tblConstructionPhase	PhaseStartDate	6/2/2022	5/2/2022
tblConstructionPhase	PhaseStartDate	5/21/2022	4/18/2022
tblConstructionPhase	PhaseStartDate	4/20/2023	11/1/2022
tblGrading	AcresOfGrading	10.00	7.30
tblLandUse	LandUseSquareFeet	58,130.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.38	0.38

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	WD_TR	3.37	4.22

2.0 Emissions Summary

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.7956	21.3195	26.0484	0.0523	1.2284	0.9862	2.2146	0.3296	0.9349	1.2645	0.0000	5,077.3110	5,077.3110	0.9924	0.1026	5,129.5526
Maximum	**9.7956**	**21.3195**	**26.0484**	**0.0523**	**1.2284**	**0.9862**	**2.2146**	**0.3296**	**0.9349**	**1.2645**	**0.0000**	**5,077.3110**	**5,077.3110**	**0.9924**	**0.1026**	**5,129.5526**

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					
2022	9.7956	21.3195	26.0484	0.0523	0.3950	0.9862	1.3812	0.1250	0.9349	1.0599	0.0000	5,077.3110	5,077.3110	0.9924	0.1026	5,129.5526
Maximum	**9.7956**	**21.3195**	**26.0484**	**0.0523**	**0.3950**	**0.9862**	**1.3812**	**0.1250**	**0.9349**	**1.0599**	**0.0000**	**5,077.3110**	**5,077.3110**	**0.9924**	**0.1026**	**5,129.5526**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**67.84**	**0.00**	**37.63**	**62.07**	**0.00**	**16.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	0.9174	1.0415	10.5451	0.0240	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,441.7152	2,441.7152	0.1486	0.0933	2,473.2360
Total	**2.2051**	**1.2025**	**10.6865**	**0.0249**	**2.4518**	**0.0290**	**2.4808**	**0.6530**	**0.0278**	**0.6809**		**2,634.9184**	**2,634.9184**	**0.1523**	**0.0969**	**2,667.5881**

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	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	0.9174	1.0415	10.5451	0.0240	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,441.7152	2,441.7152	0.1486	0.0933	2,473.2360
Total	**2.2051**	**1.2025**	**10.6865**	**0.0249**	**2.4518**	**0.0290**	**2.4808**	**0.6530**	**0.0278**	**0.6809**		**2,634.9184**	**2,634.9184**	**0.1523**	**0.0969**	**2,667.5881**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/18/2022	4/29/2022	5	10	
2	Building Construction	Building Construction	5/2/2022	12/30/2022	5	175	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	1	8.00	231	0.29
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Aerial Lifts	1	8.00	63	0.31
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Paving	Plate Compactors	2	8.00	8	0.43
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7742	0.0000	0.7742	0.0836	0.0000	0.0836			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799		3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.7742**	**0.8478**	**1.6219**	**0.0836**	**0.7799**	**0.8635**		**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3019	0.0000	0.3019	0.0326	0.0000	0.0326			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799	0.0000	3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.3019**	**0.8478**	**1.1497**	**0.0326**	**0.7799**	**0.8125**	**0.0000**	**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2939	11.8630	11.7434	0.0212		0.5549	0.5549		0.5273	0.5273		2,000.2880	2,000.2880	0.4328		2,011.1069
Total	**1.2939**	**11.8630**	**11.7434**	**0.0212**		**0.5549**	**0.5549**		**0.5273**	**0.5273**		**2,000.2880**	**2,000.2880**	**0.4328**		**2,011.1069**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.1665	0.0121	0.1787	0.0480	0.0116	0.0596		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.9266**	**0.0170**	**0.9436**	**0.2495**	**0.0161**	**0.2656**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2939	11.8630	11.7434	0.0212		0.5549	0.5549		0.5273	0.5273	0.0000	2,000.2880	2,000.2880	0.4328		2,011.1069
Total	**1.2939**	**11.8630**	**11.7434**	**0.0212**		**0.5549**	**0.5549**		**0.5273**	**0.5273**	**0.0000**	**2,000.2880**	**2,000.2880**	**0.4328**		**2,011.1069**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.0717	0.0121	0.0838	0.0247	0.0116	0.0363		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.3031**	**0.0170**	**0.3201**	**0.0965**	**0.0161**	**0.1126**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9174	1.0415	10.5451	0.0240	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,441.7152	2,441.7152	0.1486	0.0933	2,473.2360
Unmitigated	0.9174	1.0415	10.5451	0.0240	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,441.7152	2,441.7152	0.1486	0.0933	2,473.2360

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	245.31	245.31	245.31	1,164,640	1,164,640
Parking Lot	0.00	0.00	0.00		
Total	245.31	245.31	245.31	1,164,640	1,164,640

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
NaturalGas Unmitigated	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1642.11	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

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					
Industrial Park	1.64211	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

6.0 Area Detail

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 2 - Los Angeles-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

Option B or C: Building 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
Industrial Park	58.13	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	43.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	6/8/2023	11/30/2022
tblConstructionPhase	PhaseEndDate	4/19/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	6/1/2022	4/29/2022
tblConstructionPhase	PhaseEndDate	5/15/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	5/16/2023	10/3/2022
tblConstructionPhase	PhaseStartDate	6/2/2022	5/2/2022
tblConstructionPhase	PhaseStartDate	5/21/2022	4/18/2022
tblConstructionPhase	PhaseStartDate	4/20/2023	11/1/2022
tblGrading	AcresOfGrading	10.00	7.30
tblLandUse	LandUseSquareFeet	58,130.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.38	0.38

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	WD_TR	3.37	4.22

2.0 Emissions Summary

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.8182	21.3972	25.7575	0.0518	1.2284	0.9863	2.2147	0.3296	0.9350	1.2645	0.0000	5,025.6098	5,025.6098	0.9925	0.1044	5,078.3738
Maximum	**9.8182**	**21.3972**	**25.7575**	**0.0518**	**1.2284**	**0.9863**	**2.2147**	**0.3296**	**0.9350**	**1.2645**	**0.0000**	**5,025.6098**	**5,025.6098**	**0.9925**	**0.1044**	**5,078.3738**

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	lb/day										lb/day					
2022	9.8182	21.3972	25.7575	0.0518	0.3950	0.9863	1.3813	0.1250	0.9350	1.0600	0.0000	5,025.6098	5,025.6098	0.9925	0.1044	5,078.3738
Maximum	**9.8182**	**21.3972**	**25.7575**	**0.0518**	**0.3950**	**0.9863**	**1.3813**	**0.1250**	**0.9350**	**1.0600**	**0.0000**	**5,025.6098**	**5,025.6098**	**0.9925**	**0.1044**	**5,078.3738**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**67.84**	**0.00**	**37.63**	**62.07**	**0.00**	**16.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	0.9054	1.1254	10.1875	0.0229	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,336.7410	2,336.7410	0.1515	0.0974	2,369.5616
Total	**2.1931**	**1.2864**	**10.3289**	**0.0239**	**2.4518**	**0.0290**	**2.4808**	**0.6530**	**0.0278**	**0.6809**		**2,529.9442**	**2,529.9442**	**0.1553**	**0.1010**	**2,563.9137**

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	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	0.9054	1.1254	10.1875	0.0229	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,336.7410	2,336.7410	0.1515	0.0974	2,369.5616
Total	**2.1931**	**1.2864**	**10.3289**	**0.0239**	**2.4518**	**0.0290**	**2.4808**	**0.6530**	**0.0278**	**0.6809**		**2,529.9442**	**2,529.9442**	**0.1553**	**0.1010**	**2,563.9137**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/18/2022	4/29/2022	5	10	
2	Building Construction	Building Construction	5/2/2022	12/30/2022	5	175	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	1	8.00	231	0.29
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Aerial Lifts	1	8.00	63	0.31
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Paving	Plate Compactors	2	8.00	8	0.43
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7742	0.0000	0.7742	0.0836	0.0000	0.0836			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799		3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.7742**	**0.8478**	**1.6219**	**0.0836**	**0.7799**	**0.8635**		**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3019	0.0000	0.3019	0.0326	0.0000	0.0326			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799	0.0000	3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.3019**	**0.8478**	**1.1497**	**0.0326**	**0.7799**	**0.8125**	**0.0000**	**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2939	11.8630	11.7434	0.0212		0.5549	0.5549		0.5273	0.5273		2,000.2880	2,000.2880	0.4328		2,011.1069
Total	**1.2939**	**11.8630**	**11.7434**	**0.0212**		**0.5549**	**0.5549**		**0.5273**	**0.5273**		**2,000.2880**	**2,000.2880**	**0.4328**		**2,011.1069**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.1665	0.0122	0.1787	0.0480	0.0117	0.0596		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.9266**	**0.0170**	**0.9437**	**0.2495**	**0.0161**	**0.2657**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2939	11.8630	11.7434	0.0212		0.5549	0.5549		0.5273	0.5273	0.0000	2,000.2880	2,000.2880	0.4328		2,011.1069
Total	**1.2939**	**11.8630**	**11.7434**	**0.0212**		**0.5549**	**0.5549**		**0.5273**	**0.5273**	**0.0000**	**2,000.2880**	**2,000.2880**	**0.4328**		**2,011.1069**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.0717	0.0122	0.0838	0.0247	0.0117	0.0363		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.3031**	**0.0170**	**0.3202**	**0.0965**	**0.0161**	**0.1126**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

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	0.9054	1.1254	10.1875	0.0229	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,336.7410	2,336.7410	0.1515	0.0974	2,369.5616
Unmitigated	0.9054	1.1254	10.1875	0.0229	2.4518	0.0168	2.4685	0.6530	0.0156	0.6686		2,336.7410	2,336.7410	0.1515	0.0974	2,369.5616

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	245.31	245.31	245.31	1,164,640	1,164,640
Parking Lot	0.00	0.00	0.00		
Total	245.31	245.31	245.31	1,164,640	1,164,640

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
NaturalGas Unmitigated	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1642.11	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

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					
Industrial Park	1.64211	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

6.0 Area Detail

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 2 - Los Angeles-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

Option B or C: Building 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
Industrial Park	157.23	1000sqft	3.49	157,230.00	0
Parking Lot	3.82	Acre	3.82	165,869.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope architectural coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	185.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	6/22/2023	11/30/2022
tblConstructionPhase	PhaseEndDate	4/27/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	6/9/2022	4/15/2022
tblConstructionPhase	PhaseEndDate	5/25/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	5/26/2023	10/3/2022
tblConstructionPhase	PhaseStartDate	6/10/2022	4/18/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	4/1/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	11/1/2022
tblGrading	AcresOfGrading	11.00	14.62
tblLandUse	LandUseSquareFeet	166,399.20	165,869.00
tblLandUse	LotAcreage	3.61	3.49
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31

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

tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	WD_TR	3.37	4.22

2.0 Emissions Summary

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6705	2.2954	2.7756	5.8800e-003	0.1855	0.1014	0.2869	0.0488	0.0956	0.1444	0.0000	522.8920	522.8920	0.0828	0.0168	529.9699
Maximum	**0.6705**	**2.2954**	**2.7756**	**5.8800e-003**	**0.1855**	**0.1014**	**0.2869**	**0.0488**	**0.0956**	**0.1444**	**0.0000**	**522.8920**	**522.8920**	**0.0828**	**0.0168**	**529.9699**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6705	2.2954	2.7756	5.8800e-003	0.0615	0.1014	0.1629	0.0190	0.0956	0.1146	0.0000	522.8916	522.8916	0.0828	0.0168	529.9696
Maximum	**0.6705**	**2.2954**	**2.7756**	**5.8800e-003**	**0.0615**	**0.1014**	**0.1629**	**0.0190**	**0.0956**	**0.1146**	**0.0000**	**522.8916**	**522.8916**	**0.0828**	**0.0168**	**529.9696**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**66.87**	**0.00**	**43.24**	**61.12**	**0.00**	**20.64**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2022	6-30-2022	0.7772	0.7772
2	7-1-2022	9-30-2022	0.8221	0.8221
		Highest	0.8221	0.8221

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	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Energy	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	721.6125	721.6125	0.0320	5.2600e-003	723.9778
Mobile	0.4397	0.5632	5.0743	0.0114	1.1834	8.2500e-003	1.1916	0.3157	7.6500e-003	0.3234	0.0000	1,054.8538	1,054.8538	0.0674	0.0439	1,069.6088
Waste						0.0000	0.0000		0.0000	0.0000	39.5772	0.0000	39.5772	2.3389	0.0000	98.0507
Water						0.0000	0.0000		0.0000	0.0000	11.5352	148.6007	160.1359	1.1919	0.0288	198.5249
Total	**1.0662**	**0.6427**	**5.1432**	**0.0119**	**1.1834**	**0.0143**	**1.1977**	**0.3157**	**0.0137**	**0.3294**	**51.1123**	**1,925.0710**	**1,976.1833**	**3.6302**	**0.0780**	**2,090.1664**

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Energy	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	721.6125	721.6125	0.0320	5.2600e-003	723.9778
Mobile	0.4397	0.5632	5.0743	0.0114	1.1834	8.2500e-003	1.1916	0.3157	7.6500e-003	0.3234	0.0000	1,054.8538	1,054.8538	0.0674	0.0439	1,069.6088
Waste						0.0000	0.0000		0.0000	0.0000	39.5772	0.0000	39.5772	2.3389	0.0000	98.0507
Water						0.0000	0.0000		0.0000	0.0000	11.5352	148.6007	160.1359	1.1919	0.0288	198.5249
Total	**1.0662**	**0.6427**	**5.1432**	**0.0119**	**1.1834**	**0.0143**	**1.1977**	**0.3157**	**0.0137**	**0.3294**	**51.1123**	**1,925.0710**	**1,976.1833**	**3.6302**	**0.0780**	**2,090.1664**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2022	4/15/2022	5	11	
2	Building Construction	Building Construction	4/18/2022	12/30/2022	5	185	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	

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4	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.62

Acres of Paving: 3.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,845; Non-Residential Outdoor: 78,615; Striped Parking Area: 9,952 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	1	8.00	231	0.29
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Aerial Lifts	2	8.00	63	0.31
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Paving	Plate Compactors	2	8.00	8	0.43
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	136.00	53.00	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	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.7500e-003	0.0000	7.7500e-003	8.4000e-004	0.0000	8.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7100e-003	0.1087	0.0871	1.7000e-004		4.6600e-003	4.6600e-003		4.2900e-003	4.2900e-003	0.0000	15.2321	15.2321	4.9300e-003	0.0000	15.3553
Total	**9.7100e-003**	**0.1087**	**0.0871**	**1.7000e-004**	**7.7500e-003**	**4.6600e-003**	**0.0124**	**8.4000e-004**	**4.2900e-003**	**5.1300e-003**	**0.0000**	**15.2321**	**15.2321**	**4.9300e-003**	**0.0000**	**15.3553**

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

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.8000e-004	3.6700e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.8922	0.8922	3.0000e-005	2.0000e-005	0.9001
Total	**3.4000e-004**	**2.8000e-004**	**3.6700e-003**	**1.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.0900e-003**	**2.9000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.8922**	**0.8922**	**3.0000e-005**	**2.0000e-005**	**0.9001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.0200e-003	0.0000	3.0200e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7100e-003	0.1087	0.0871	1.7000e-004		4.6600e-003	4.6600e-003		4.2900e-003	4.2900e-003	0.0000	15.2321	15.2321	4.9300e-003	0.0000	15.3552
Total	**9.7100e-003**	**0.1087**	**0.0871**	**1.7000e-004**	**3.0200e-003**	**4.6600e-003**	**7.6800e-003**	**3.3000e-004**	**4.2900e-003**	**4.6200e-003**	**0.0000**	**15.2321**	**15.2321**	**4.9300e-003**	**0.0000**	**15.3552**

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

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.8000e-004	3.6700e-003	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.8922	0.8922	3.0000e-005	2.0000e-005	0.9001
Total	**3.4000e-004**	**2.8000e-004**	**3.6700e-003**	**1.0000e-005**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**1.0000e-004**	**1.0000e-005**	**1.1000e-004**	**0.0000**	**0.8922**	**0.8922**	**3.0000e-005**	**2.0000e-005**	**0.9001**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2001	1.7893	1.9712	3.2100e-003		0.0878	0.0878		0.0828	0.0828	0.0000	274.2313	274.2313	0.0672	0.0000	275.9106
Total	**0.2001**	**1.7893**	**1.9712**	**3.2100e-003**		**0.0878**	**0.0878**		**0.0828**	**0.0828**	**0.0000**	**274.2313**	**274.2313**	**0.0672**	**0.0000**	**275.9106**

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

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5700e-003	0.2521	0.0836	9.6000e-004	0.0309	2.2900e-003	0.0332	8.9200e-003	2.1900e-003	0.0111	0.0000	93.6171	93.6171	3.1200e-003	0.0135	97.7195
Worker	0.0431	0.0359	0.4664	1.2400e-003	0.1379	9.0000e-004	0.1388	0.0366	8.3000e-004	0.0374	0.0000	113.3761	113.3761	3.2500e-003	3.1000e-003	114.3809
Total	**0.0527**	**0.2880**	**0.5500**	**2.2000e-003**	**0.1688**	**3.1900e-003**	**0.1719**	**0.0455**	**3.0200e-003**	**0.0486**	**0.0000**	**206.9933**	**206.9933**	**6.3700e-003**	**0.0166**	**212.1003**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2001	1.7893	1.9712	3.2100e-003		0.0878	0.0878		0.0828	0.0828	0.0000	274.2310	274.2310	0.0672	0.0000	275.9102
Total	**0.2001**	**1.7893**	**1.9712**	**3.2100e-003**		**0.0878**	**0.0878**		**0.0828**	**0.0828**	**0.0000**	**274.2310**	**274.2310**	**0.0672**	**0.0000**	**275.9102**

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3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5700e-003	0.2521	0.0836	9.6000e-004	0.0134	2.2900e-003	0.0157	4.6300e-003	2.1900e-003	6.8200e-003	0.0000	93.6171	93.6171	3.1200e-003	0.0135	97.7195
Worker	0.0431	0.0359	0.4664	1.2400e-003	0.0423	9.0000e-004	0.0432	0.0132	8.3000e-004	0.0140	0.0000	113.3761	113.3761	3.2500e-003	3.1000e-003	114.3809
Total	**0.0527**	**0.2880**	**0.5500**	**2.2000e-003**	**0.0557**	**3.1900e-003**	**0.0589**	**0.0178**	**3.0200e-003**	**0.0208**	**0.0000**	**206.9933**	**206.9933**	**6.3700e-003**	**0.0166**	**212.1003**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7942
Paving	5.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7942**

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3.4 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7941
Paving	5.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7941**

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3.4 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3874					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.3933**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.6600e-003	0.0215	6.0000e-005	6.3600e-003	4.0000e-005	6.4000e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.2317	5.2317	1.5000e-004	1.4000e-004	5.2781
Total	**1.9900e-003**	**1.6600e-003**	**0.0215**	**6.0000e-005**	**6.3600e-003**	**4.0000e-005**	**6.4000e-003**	**1.6900e-003**	**4.0000e-005**	**1.7300e-003**	**0.0000**	**5.2317**	**5.2317**	**1.5000e-004**	**1.4000e-004**	**5.2781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3874					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.3933**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

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

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.6600e-003	0.0215	6.0000e-005	1.9500e-003	4.0000e-005	1.9900e-003	6.1000e-004	4.0000e-005	6.5000e-004	0.0000	5.2317	5.2317	1.5000e-004	1.4000e-004	5.2781
Total	**1.9900e-003**	**1.6600e-003**	**0.0215**	**6.0000e-005**	**1.9500e-003**	**4.0000e-005**	**1.9900e-003**	**6.1000e-004**	**4.0000e-005**	**6.5000e-004**	**0.0000**	**5.2317**	**5.2317**	**1.5000e-004**	**1.4000e-004**	**5.2781**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4397	0.5632	5.0743	0.0114	1.1834	8.2500e-003	1.1916	0.3157	7.6500e-003	0.3234	0.0000	1,054.8538	1,054.8538	0.0674	0.0439	1,069.6088
Unmitigated	0.4397	0.5632	5.0743	0.0114	1.1834	8.2500e-003	1.1916	0.3157	7.6500e-003	0.3234	0.0000	1,054.8538	1,054.8538	0.0674	0.0439	1,069.6088

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	663.51	663.51	663.51	3,150,117	3,150,117
Parking Lot	0.00	0.00	0.00		
Total	663.51	663.51	663.51	3,150,117	3,150,117

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	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
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

5.0 Energy Detail

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

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	635.1076	635.1076	0.0303	3.6700e-003	636.9588
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	635.1076	635.1076	0.0303	3.6700e-003	636.9588
NaturalGas Mitigated	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190
NaturalGas Unmitigated	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	1.62104e+006	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**8.7400e-003**	**0.0795**	**0.0668**	**4.8000e-004**		**6.0400e-003**	**6.0400e-003**		**6.0400e-003**	**6.0400e-003**	**0.0000**	**86.5049**	**86.5049**	**1.6600e-003**	**1.5900e-003**	**87.0190**

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					
Industrial Park	1.62104e+006	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**8.7400e-003**	**0.0795**	**0.0668**	**4.8000e-004**		**6.0400e-003**	**6.0400e-003**		**6.0400e-003**	**6.0400e-003**	**0.0000**	**86.5049**	**86.5049**	**1.6600e-003**	**1.5900e-003**	**87.0190**

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.96538e+006	616.8857	0.0294	3.5700e-003	618.6838
Parking Lot	58054.1	18.2219	8.7000e-004	1.1000e-004	18.2750
Total		**635.1076**	**0.0303**	**3.6800e-003**	**636.9588**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.96538e+006	616.8857	0.0294	3.5700e-003	618.6838
Parking Lot	58054.1	18.2219	8.7000e-004	1.1000e-004	18.2750
Total		**635.1076**	**0.0303**	**3.6800e-003**	**636.9588**

6.0 Area Detail

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Unmitigated	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-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	tons/yr										MT/yr					
Architectural Coating	0.0387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5789					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Total	**0.6178**	**2.0000e-005**	**2.0600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.0000e-003**	**4.0000e-003**	**1.0000e-005**	**0.0000**	**4.2600e-003**

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5789					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Total	**0.6178**	**2.0000e-005**	**2.0600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.0000e-003**	**4.0000e-003**	**1.0000e-005**	**0.0000**	**4.2600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	160.1359	1.1919	0.0288	198.5249
Unmitigated	160.1359	1.1919	0.0288	198.5249

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	36.3594 / 0	160.1359	1.1919	0.0288	198.5249
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**160.1359**	**1.1919**	**0.0288**	**198.5249**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	36.3594 / 0	160.1359	1.1919	0.0288	198.5249
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**160.1359**	**1.1919**	**0.0288**	**198.5249**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.5772	2.3389	0.0000	98.0507
Unmitigated	39.5772	2.3389	0.0000	98.0507

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	194.97	39.5772	2.3389	0.0000	98.0507
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**39.5772**	**2.3389**	**0.0000**	**98.0507**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	194.97	39.5772	2.3389	0.0000	98.0507
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**39.5772**	**2.3389**	**0.0000**	**98.0507**

9.0 Operational Offroad

Option B or C: Building 3 - Los Angeles-South Coast County, Annual

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

Equipment Type	Number	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

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

Option B or C: Building 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
Industrial Park	157.23	1000sqft	3.49	157,230.00	0
Parking Lot	3.82	Acre	3.82	165,869.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope architectural coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	185.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	6/22/2023	11/30/2022
tblConstructionPhase	PhaseEndDate	4/27/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	6/9/2022	4/15/2022
tblConstructionPhase	PhaseEndDate	5/25/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	5/26/2023	10/3/2022
tblConstructionPhase	PhaseStartDate	6/10/2022	4/18/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	4/1/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	11/1/2022
tblGrading	AcresOfGrading	11.00	14.62
tblLandUse	LandUseSquareFeet	166,399.20	165,869.00
tblLandUse	LotAcreage	3.61	3.49
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	WD_TR	3.37	4.22

2.0 Emissions Summary

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	22.2562	30.3277	39.2567	0.0794	2.3068	1.3989	3.7056	0.6195	1.3201	1.9396	0.0000	7,750.3382	7,750.3382	1.2759	0.2048	7,843.2595
Maximum	**22.2562**	**30.3277**	**39.2567**	**0.0794**	**2.3068**	**1.3989**	**3.7056**	**0.6195**	**1.3201**	**1.9396**	**0.0000**	**7,750.3382**	**7,750.3382**	**1.2759**	**0.2048**	**7,843.2595**

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					
2022	22.2562	30.3277	39.2567	0.0794	0.7451	1.3989	2.1440	0.2362	1.3201	1.5563	0.0000	7,750.3381	7,750.3381	1.2759	0.2048	7,843.2595
Maximum	**22.2562**	**30.3277**	**39.2567**	**0.0794**	**0.7451**	**1.3989**	**2.1440**	**0.2362**	**1.3201**	**1.5563**	**0.0000**	**7,750.3381**	**7,750.3381**	**1.2759**	**0.2048**	**7,843.2595**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**67.70**	**0.00**	**42.14**	**61.88**	**0.00**	**19.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	2.4815	2.8169	28.5223	0.0648	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,604.3502	6,604.3502	0.4018	0.2524	6,689.6077
Total	**5.9151**	**3.2525**	**28.9045**	**0.0674**	**6.6315**	**0.0785**	**6.7100**	**1.7663**	**0.0753**	**1.8416**		**7,126.8807**	**7,126.8807**	**0.4119**	**0.2620**	**7,215.2454**

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	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	2.4815	2.8169	28.5223	0.0648	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,604.3502	6,604.3502	0.4018	0.2524	6,689.6077
Total	**5.9151**	**3.2525**	**28.9045**	**0.0674**	**6.6315**	**0.0785**	**6.7100**	**1.7663**	**0.0753**	**1.8416**		**7,126.8807**	**7,126.8807**	**0.4119**	**0.2620**	**7,215.2454**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2022	4/15/2022	5	11	
2	Building Construction	Building Construction	4/18/2022	12/30/2022	5	185	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.62

Acres of Paving: 3.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,845; Non-Residential Outdoor: 78,615; Striped Parking Area: 9,952 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	1	8.00	231	0.29
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Aerial Lifts	2	8.00	63	0.31
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Paving	Plate Compactors	2	8.00	8	0.43
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45

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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	136.00	53.00	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	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4095	0.0000	1.4095	0.1522	0.0000	0.1522			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799		3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**1.4095**	**0.8478**	**2.2573**	**0.1522**	**0.7799**	**0.9321**		**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5497	0.0000	0.5497	0.0594	0.0000	0.0594			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799	0.0000	3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.5497**	**0.8478**	**1.3975**	**0.0594**	**0.7799**	**0.8393**	**0.0000**	**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1631	19.3440	21.3103	0.0347		0.9491	0.9491		0.8951	0.8951		3,267.9809	3,267.9809	0.8005		3,287.9928
Total	**2.1631**	**19.3440**	**21.3103**	**0.0347**		**0.9491**	**0.9491**		**0.8951**	**0.8951**		**3,267.9809**	**3,267.9809**	**0.8005**		**3,287.9928**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1043	2.5962	0.8901	0.0104	0.3395	0.0247	0.3642	0.0978	0.0237	0.1214		1,115.4465	1,115.4465	0.0373	0.1607	1,164.2782
Worker	0.4705	0.3435	5.3527	0.0139	1.5202	9.7300e-003	1.5299	0.4032	8.9500e-003	0.4121		1,405.4810	1,405.4810	0.0383	0.0340	1,416.5796
Total	**0.5748**	**2.9397**	**6.2428**	**0.0243**	**1.8596**	**0.0345**	**1.8941**	**0.5009**	**0.0326**	**0.5335**		**2,520.9275**	**2,520.9275**	**0.0756**	**0.1948**	**2,580.8578**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1631	19.3440	21.3103	0.0347		0.9491	0.9491		0.8951	0.8951	0.0000	3,267.9809	3,267.9809	0.8005		3,287.9928
Total	**2.1631**	**19.3440**	**21.3103**	**0.0347**		**0.9491**	**0.9491**		**0.8951**	**0.8951**	**0.0000**	**3,267.9809**	**3,267.9809**	**0.8005**		**3,287.9928**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1043	2.5962	0.8901	0.0104	0.1461	0.0247	0.1708	0.0503	0.0237	0.0739		1,115.4465	1,115.4465	0.0373	0.1607	1,164.2782
Worker	0.4705	0.3435	5.3527	0.0139	0.4629	9.7300e-003	0.4726	0.1436	8.9500e-003	0.1526		1,405.4810	1,405.4810	0.0383	0.0340	1,416.5796
Total	**0.5748**	**2.9397**	**6.2428**	**0.0243**	**0.6090**	**0.0345**	**0.6434**	**0.1939**	**0.0326**	**0.2265**		**2,520.9275**	**2,520.9275**	**0.0756**	**0.1948**	**2,580.8578**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0934	0.0682	1.0627	2.7600e-003	0.3018	1.9300e-003	0.3037	0.0800	1.7800e-003	0.0818		279.0293	279.0293	7.6000e-003	6.7600e-003	281.2327
Total	**0.0934**	**0.0682**	**1.0627**	**2.7600e-003**	**0.3018**	**1.9300e-003**	**0.3037**	**0.0800**	**1.7800e-003**	**0.0818**		**279.0293**	**279.0293**	**7.6000e-003**	**6.7600e-003**	**281.2327**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0934	0.0682	1.0627	2.7600e-003	0.0919	1.9300e-003	0.0938	0.0285	1.7800e-003	0.0303		279.0293	279.0293	7.6000e-003	6.7600e-003	281.2327
Total	**0.0934**	**0.0682**	**1.0627**	**2.7600e-003**	**0.0919**	**1.9300e-003**	**0.0938**	**0.0285**	**1.7800e-003**	**0.0303**		**279.0293**	**279.0293**	**7.6000e-003**	**6.7600e-003**	**281.2327**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4815	2.8169	28.5223	0.0648	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,604.3502	6,604.3502	0.4018	0.2524	6,689.6077
Unmitigated	2.4815	2.8169	28.5223	0.0648	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,604.3502	6,604.3502	0.4018	0.2524	6,689.6077

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	663.51	663.51	663.51	3,150,117	3,150,117
Parking Lot	0.00	0.00	0.00		
Total	663.51	663.51	663.51	3,150,117	3,150,117

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
NaturalGas Unmitigated	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	4441.21	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

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					
Industrial Park	4.44121	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

6.0 Area Detail

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Unmitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376

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	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 3 - Los Angeles-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

Option B or C: Building 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
Industrial Park	157.23	1000sqft	3.49	157,230.00	0
Parking Lot	3.82	Acre	3.82	165,869.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope architectural coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,155 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	185.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	6/22/2023	11/30/2022
tblConstructionPhase	PhaseEndDate	4/27/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	6/9/2022	4/15/2022
tblConstructionPhase	PhaseEndDate	5/25/2023	11/30/2022
tblConstructionPhase	PhaseStartDate	5/26/2023	10/3/2022
tblConstructionPhase	PhaseStartDate	6/10/2022	4/18/2022
tblConstructionPhase	PhaseStartDate	5/13/2022	4/1/2022
tblConstructionPhase	PhaseStartDate	4/28/2023	11/1/2022
tblGrading	AcresOfGrading	11.00	14.62
tblLandUse	LandUseSquareFeet	166,399.20	165,869.00
tblLandUse	LotAcreage	3.61	3.49
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	4.22
tblVehicleTrips	SU_TR	1.24	4.22
tblVehicleTrips	WD_TR	3.37	4.22

2.0 Emissions Summary

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	22.2979	30.4814	38.7205	0.0785	2.3068	1.3989	3.7057	0.6195	1.3202	1.9397	0.0000	7,654.5930	7,654.5930	1.2764	0.2080	7,748.4876
Maximum	**22.2979**	**30.4814**	**38.7205**	**0.0785**	**2.3068**	**1.3989**	**3.7057**	**0.6195**	**1.3202**	**1.9397**	**0.0000**	**7,654.5930**	**7,654.5930**	**1.2764**	**0.2080**	**7,748.4876**

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					
2022	22.2979	30.4814	38.7205	0.0785	0.7451	1.3989	2.1441	0.2362	1.3202	1.5564	0.0000	7,654.5930	7,654.5930	1.2764	0.2080	7,748.4875
Maximum	**22.2979**	**30.4814**	**38.7205**	**0.0785**	**0.7451**	**1.3989**	**2.1441**	**0.2362**	**1.3202**	**1.5564**	**0.0000**	**7,654.5930**	**7,654.5930**	**1.2764**	**0.2080**	**7,748.4875**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**67.70**	**0.00**	**42.14**	**61.88**	**0.00**	**19.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	2.4489	3.0439	27.5552	0.0620	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,320.4159	6,320.4159	0.4099	0.2635	6,409.1892
Total	**5.8825**	**3.4794**	**27.9374**	**0.0646**	**6.6315**	**0.0785**	**6.7100**	**1.7663**	**0.0753**	**1.8416**		**6,842.9464**	**6,842.9464**	**0.4200**	**0.2731**	**6,934.8269**

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	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	2.4489	3.0439	27.5552	0.0620	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,320.4159	6,320.4159	0.4099	0.2635	6,409.1892
Total	**5.8825**	**3.4794**	**27.9374**	**0.0646**	**6.6315**	**0.0785**	**6.7100**	**1.7663**	**0.0753**	**1.8416**		**6,842.9464**	**6,842.9464**	**0.4200**	**0.2731**	**6,934.8269**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2022	4/15/2022	5	11	
2	Building Construction	Building Construction	4/18/2022	12/30/2022	5	185	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.62

Acres of Paving: 3.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,845; Non-Residential Outdoor: 78,615; Striped Parking Area: 9,952 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	1	8.00	231	0.29
Grading	Rollers	1	8.00	80	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Aerial Lifts	2	8.00	63	0.31
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Paving	Plate Compactors	2	8.00	8	0.43
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45

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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	136.00	53.00	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	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4095	0.0000	1.4095	0.1522	0.0000	0.1522			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799		3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**1.4095**	**0.8478**	**2.2573**	**0.1522**	**0.7799**	**0.9321**		**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5497	0.0000	0.5497	0.0594	0.0000	0.0594			0.0000			0.0000
Off-Road	1.7663	19.7567	15.8359	0.0315		0.8478	0.8478		0.7799	0.7799	0.0000	3,052.8193	3,052.8193	0.9873		3,077.5029
Total	**1.7663**	**19.7567**	**15.8359**	**0.0315**	**0.5497**	**0.8478**	**1.3975**	**0.0594**	**0.7799**	**0.8393**	**0.0000**	**3,052.8193**	**3,052.8193**	**0.9873**		**3,077.5029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1631	19.3440	21.3103	0.0347		0.9491	0.9491		0.8951	0.8951		3,267.9809	3,267.9809	0.8005		3,287.9928
Total	**2.1631**	**19.3440**	**21.3103**	**0.0347**		**0.9491**	**0.9491**		**0.8951**	**0.8951**		**3,267.9809**	**3,267.9809**	**0.8005**		**3,287.9928**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1030	2.7032	0.9209	0.0104	0.3395	0.0248	0.3643	0.0978	0.0237	0.1215		1,115.8655	1,115.8655	0.0372	0.1609	1,164.7561
Worker	0.5037	0.3796	4.9146	0.0132	1.5202	9.7300e-003	1.5299	0.4032	8.9500e-003	0.4121		1,331.1723	1,331.1723	0.0388	0.0364	1,342.9775
Total	**0.6068**	**3.0828**	**5.8355**	**0.0236**	**1.8596**	**0.0346**	**1.8942**	**0.5009**	**0.0327**	**0.5336**		**2,447.0378**	**2,447.0378**	**0.0759**	**0.1973**	**2,507.7335**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1631	19.3440	21.3103	0.0347		0.9491	0.9491		0.8951	0.8951	0.0000	3,267.9809	3,267.9809	0.8005		3,287.9928
Total	**2.1631**	**19.3440**	**21.3103**	**0.0347**		**0.9491**	**0.9491**		**0.8951**	**0.8951**	**0.0000**	**3,267.9809**	**3,267.9809**	**0.8005**		**3,287.9928**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1030	2.7032	0.9209	0.0104	0.1461	0.0248	0.1709	0.0503	0.0237	0.0740		1,115.8655	1,115.8655	0.0372	0.1609	1,164.7561
Worker	0.5037	0.3796	4.9146	0.0132	0.4629	9.7300e-003	0.4726	0.1436	8.9500e-003	0.1526		1,331.1723	1,331.1723	0.0388	0.0364	1,342.9775
Total	**0.6068**	**3.0828**	**5.8355**	**0.0236**	**0.6090**	**0.0346**	**0.6435**	**0.1939**	**0.0327**	**0.2266**		**2,447.0378**	**2,447.0378**	**0.0759**	**0.1973**	**2,507.7335**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1000	0.0754	0.9757	2.6100e-003	0.3018	1.9300e-003	0.3037	0.0800	1.7800e-003	0.0818		264.2769	264.2769	7.6900e-003	7.2200e-003	266.6205
Total	**0.1000**	**0.0754**	**0.9757**	**2.6100e-003**	**0.3018**	**1.9300e-003**	**0.3037**	**0.0800**	**1.7800e-003**	**0.0818**		**264.2769**	**264.2769**	**7.6900e-003**	**7.2200e-003**	**266.6205**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1000	0.0754	0.9757	2.6100e-003	0.0919	1.9300e-003	0.0938	0.0285	1.7800e-003	0.0303		264.2769	264.2769	7.6900e-003	7.2200e-003	266.6205
Total	**0.1000**	**0.0754**	**0.9757**	**2.6100e-003**	**0.0919**	**1.9300e-003**	**0.0938**	**0.0285**	**1.7800e-003**	**0.0303**		**264.2769**	**264.2769**	**7.6900e-003**	**7.2200e-003**	**266.6205**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4489	3.0439	27.5552	0.0620	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,320.4159	6,320.4159	0.4099	0.2635	6,409.1892
Unmitigated	2.4489	3.0439	27.5552	0.0620	6.6315	0.0454	6.6769	1.7663	0.0421	1.8085		6,320.4159	6,320.4159	0.4099	0.2635	6,409.1892

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	663.51	663.51	663.51	3,150,117	3,150,117
Parking Lot	0.00	0.00	0.00		
Total	663.51	663.51	663.51	3,150,117	3,150,117

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
NaturalGas Unmitigated	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	4441.21	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

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					
Industrial Park	4.44121	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

6.0 Area Detail

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Unmitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376

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	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

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	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

7.0 Water Detail

7.1 Mitigation Measures Water

Option B or C: Building 3 - Los Angeles-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

Option A: Building 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
Industrial Park	58.14	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Exterior architectural coatings VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option A.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	32.00
tblConstructionPhase	NumDays	230.00	153.00
tblConstructionPhase	NumDays	8.00	9.00
tblConstructionPhase	NumDays	18.00	22.00
tblGrading	AcresOfGrading	9.00	7.30
tblLandUse	LandUseSquareFeet	58,140.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77
tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1459	0.7695	1.0190	2.1100e-003	0.0666	0.0338	0.1004	0.0173	0.0323	0.0496	0.0000	186.9093	186.9093	0.0251	5.8600e-003	189.2829
2023	0.1179	0.1117	0.1696	3.5000e-004	0.0117	4.7600e-003	0.0165	3.1500e-003	4.6300e-003	7.7700e-003	0.0000	31.2097	31.2097	3.0800e-003	9.5000e-004	31.5708
Maximum	**0.1459**	**0.7695**	**1.0190**	**2.1100e-003**	**0.0666**	**0.0338**	**0.1004**	**0.0173**	**0.0323**	**0.0496**	**0.0000**	**186.9093**	**186.9093**	**0.0251**	**5.8600e-003**	**189.2829**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1459	0.7695	1.0190	2.1100e-003	0.0221	0.0338	0.0559	6.7300e-003	0.0323	0.0390	0.0000	186.9092	186.9092	0.0251	5.8600e-003	189.2828
2023	0.1179	0.1117	0.1696	3.5000e-004	3.8100e-003	4.7600e-003	8.5700e-003	1.2100e-003	4.6300e-003	5.8400e-003	0.0000	31.2097	31.2097	3.0800e-003	9.5000e-004	31.5708
Maximum	**0.1459**	**0.7695**	**1.0190**	**2.1100e-003**	**0.0221**	**0.0338**	**0.0559**	**6.7300e-003**	**0.0323**	**0.0390**	**0.0000**	**186.9092**	**186.9092**	**0.0251**	**5.8600e-003**	**189.2828**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**66.89**	**0.00**	**44.82**	**61.23**	**0.00**	**21.83**	**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	**6-27-2022**	**9-26-2022**	0.3558	0.3558
2	**9-27-2022**	**12-26-2022**	0.4473	0.4473
3	**12-27-2022**	**3-26-2023**	0.2705	0.2705
		Highest	0.4473	0.4473

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	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	271.4360	271.4360	0.0120	1.9700e-003	272.3240
Mobile	0.2608	0.3341	3.0102	6.7700e-003	0.7020	4.8900e-003	0.7069	0.1873	4.5400e-003	0.1918	0.0000	625.7605	625.7605	0.0400	0.0260	634.5134
Waste						0.0000	0.0000		0.0000	0.0000	14.6336	0.0000	14.6336	0.8648	0.0000	36.2542
Water						0.0000	0.0000		0.0000	0.0000	4.2654	54.9491	59.2145	0.4407	0.0107	73.4099
Total	**0.4958**	**0.3635**	**3.0357**	**6.9500e-003**	**0.7020**	**7.1200e-003**	**0.7091**	**0.1873**	**6.7700e-003**	**0.1941**	**18.8991**	**952.1470**	**971.0461**	**1.3576**	**0.0387**	**1,016.5031**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

2.2 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	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	271.4360	271.4360	0.0120	1.9700e-003	272.3240
Mobile	0.2608	0.3341	3.0102	6.7700e-003	0.7020	4.8900e-003	0.7069	0.1873	4.5400e-003	0.1918	0.0000	625.7605	625.7605	0.0400	0.0260	634.5134
Waste						0.0000	0.0000		0.0000	0.0000	14.6336	0.0000	14.6336	0.8648	0.0000	36.2542
Water						0.0000	0.0000		0.0000	0.0000	4.2654	54.9491	59.2145	0.4407	0.0107	73.4099
Total	**0.4958**	**0.3635**	**3.0357**	**6.9500e-003**	**0.7020**	**7.1200e-003**	**0.7091**	**0.1873**	**6.7700e-003**	**0.1941**	**18.8991**	**952.1470**	**971.0461**	**1.3576**	**0.0387**	**1,016.5031**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/20/2022	6/30/2022	5	9	
2	Building Construction	Building Construction	7/1/2022	1/31/2023	5	153	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

4	Architectural Coating	Architectural Coating	12/19/2022	1/31/2023	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8700e-003	0.0000	3.8700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9600e-003	0.0891	0.0714	1.4000e-004		3.8200e-003	3.8200e-003		3.5200e-003	3.5200e-003	0.0000	12.4844	12.4844	4.0400e-003	0.0000	12.5853
Total	**7.9600e-003**	**0.0891**	**0.0714**	**1.4000e-004**	**3.8700e-003**	**3.8200e-003**	**7.6900e-003**	**4.2000e-004**	**3.5200e-003**	**3.9400e-003**	**0.0000**	**12.4844**	**12.4844**	**4.0400e-003**	**0.0000**	**12.5853**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.3000e-004	3.0000e-003	1.0000e-005	8.9000e-004	1.0000e-005	8.9000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.7300	0.7300	2.0000e-005	2.0000e-005	0.7365
Total	**2.8000e-004**	**2.3000e-004**	**3.0000e-003**	**1.0000e-005**	**8.9000e-004**	**1.0000e-005**	**8.9000e-004**	**2.4000e-004**	**1.0000e-005**	**2.4000e-004**	**0.0000**	**0.7300**	**0.7300**	**2.0000e-005**	**2.0000e-005**	**0.7365**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5100e-003	0.0000	1.5100e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9600e-003	0.0891	0.0714	1.4000e-004		3.8200e-003	3.8200e-003		3.5200e-003	3.5200e-003	0.0000	12.4844	12.4844	4.0400e-003	0.0000	12.5853
Total	**7.9600e-003**	**0.0891**	**0.0714**	**1.4000e-004**	**1.5100e-003**	**3.8200e-003**	**5.3300e-003**	**1.6000e-004**	**3.5200e-003**	**3.6800e-003**	**0.0000**	**12.4844**	**12.4844**	**4.0400e-003**	**0.0000**	**12.5853**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.3000e-004	3.0000e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.7300	0.7300	2.0000e-005	2.0000e-005	0.7365
Total	**2.8000e-004**	**2.3000e-004**	**3.0000e-003**	**1.0000e-005**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**8.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**0.7300**	**0.7300**	**2.0000e-005**	**2.0000e-005**	**0.7365**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0603	0.5032	0.6457	1.0100e-003		0.0250	0.0250		0.0241	0.0241	0.0000	85.7084	85.7084	0.0150	0.0000	86.0832
Total	**0.0603**	**0.5032**	**0.6457**	**1.0100e-003**		**0.0250**	**0.0250**		**0.0241**	**0.0241**	**0.0000**	**85.7084**	**85.7084**	**0.0150**	**0.0000**	**86.0832**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3200e-003	0.0876	0.0290	3.3000e-004	0.0107	8.0000e-004	0.0115	3.1000e-003	7.6000e-004	3.8600e-003	0.0000	32.5201	32.5201	1.0900e-003	4.6900e-003	33.9452
Worker	0.0153	0.0127	0.1651	4.4000e-004	0.0488	3.2000e-004	0.0491	0.0130	2.9000e-004	0.0133	0.0000	40.1413	40.1413	1.1500e-003	1.1000e-003	40.4970
Total	**0.0186**	**0.1003**	**0.1942**	**7.7000e-004**	**0.0595**	**1.1200e-003**	**0.0607**	**0.0161**	**1.0500e-003**	**0.0171**	**0.0000**	**72.6614**	**72.6614**	**2.2400e-003**	**5.7900e-003**	**74.4422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0603	0.5032	0.6457	1.0100e-003		0.0250	0.0250		0.0241	0.0241	0.0000	85.7083	85.7083	0.0150	0.0000	86.0831
Total	**0.0603**	**0.5032**	**0.6457**	**1.0100e-003**		**0.0250**	**0.0250**		**0.0241**	**0.0241**	**0.0000**	**85.7083**	**85.7083**	**0.0150**	**0.0000**	**86.0831**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3200e-003	0.0876	0.0290	3.3000e-004	4.6600e-003	8.0000e-004	5.4500e-003	1.6100e-003	7.6000e-004	2.3700e-003	0.0000	32.5201	32.5201	1.0900e-003	4.6900e-003	33.9452
Worker	0.0153	0.0127	0.1651	4.4000e-004	0.0150	3.2000e-004	0.0153	4.6600e-003	2.9000e-004	4.9500e-003	0.0000	40.1413	40.1413	1.1500e-003	1.1000e-003	40.4970
Total	**0.0186**	**0.1003**	**0.1942**	**7.7000e-004**	**0.0196**	**1.1200e-003**	**0.0207**	**6.2700e-003**	**1.0500e-003**	**7.3200e-003**	**0.0000**	**72.6614**	**72.6614**	**2.2400e-003**	**5.7900e-003**	**74.4422**

3.3 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	9.3400e-003	0.0788	0.1080	1.7000e-004		3.6000e-003	3.6000e-003		3.4800e-003	3.4800e-003	0.0000	14.3971	14.3971	2.4800e-003	0.0000	14.4590
Total	**9.3400e-003**	**0.0788**	**0.1080**	**1.7000e-004**		**3.6000e-003**	**3.6000e-003**		**3.4800e-003**	**3.4800e-003**	**0.0000**	**14.3971**	**14.3971**	**2.4800e-003**	**0.0000**	**14.4590**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.3 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	3.2000e-004	0.0115	4.3100e-003	5.0000e-005	1.8000e-003	6.0000e-005	1.8600e-003	5.2000e-004	5.0000e-005	5.7000e-004	0.0000	5.2001	5.2001	1.7000e-004	7.5000e-004	5.4275
Worker	2.3700e-003	1.8800e-003	0.0255	7.0000e-005	8.2000e-003	5.0000e-005	8.2500e-003	2.1800e-003	5.0000e-005	2.2200e-003	0.0000	6.5244	6.5244	1.7000e-004	1.7000e-004	6.5793
Total	**2.6900e-003**	**0.0134**	**0.0298**	**1.2000e-004**	**0.0100**	**1.1000e-004**	**0.0101**	**2.7000e-003**	**1.0000e-004**	**2.7900e-003**	**0.0000**	**11.7245**	**11.7245**	**3.4000e-004**	**9.2000e-004**	**12.0068**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.3400e-003	0.0788	0.1080	1.7000e-004		3.6000e-003	3.6000e-003		3.4800e-003	3.4800e-003	0.0000	14.3971	14.3971	2.4800e-003	0.0000	14.4590
Total	**9.3400e-003**	**0.0788**	**0.1080**	**1.7000e-004**		**3.6000e-003**	**3.6000e-003**		**3.4800e-003**	**3.4800e-003**	**0.0000**	**14.3971**	**14.3971**	**2.4800e-003**	**0.0000**	**14.4590**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.3 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	3.2000e-004	0.0115	4.3100e-003	5.0000e-005	7.8000e-004	6.0000e-005	8.4000e-004	2.7000e-004	5.0000e-005	3.2000e-004	0.0000	5.2001	5.2001	1.7000e-004	7.5000e-004	5.4275
Worker	2.3700e-003	1.8800e-003	0.0255	7.0000e-005	2.5100e-003	5.0000e-005	2.5600e-003	7.8000e-004	5.0000e-005	8.3000e-004	0.0000	6.5244	6.5244	1.7000e-004	1.7000e-004	6.5793
Total	**2.6900e-003**	**0.0134**	**0.0298**	**1.2000e-004**	**3.2900e-003**	**1.1000e-004**	**3.4000e-003**	**1.0500e-003**	**1.0000e-004**	**1.1500e-003**	**0.0000**	**11.7245**	**11.7245**	**3.4000e-004**	**9.2000e-004**	**12.0068**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7942
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7942**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.4 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7941
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7941**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.4 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3600e-003	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049
Total	**0.0480**	**9.3900e-003**	**0.0121**	**2.0000e-005**		**5.4000e-004**	**5.4000e-004**		**5.4000e-004**	**5.4000e-004**	**0.0000**	**1.7022**	**1.7022**	**1.1000e-004**	**0.0000**	**1.7049**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	2.0000e-004	2.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6309	0.6309	2.0000e-005	2.0000e-005	0.6365
Total	**2.4000e-004**	**2.0000e-004**	**2.6000e-003**	**1.0000e-005**	**7.7000e-004**	**1.0000e-005**	**7.7000e-004**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**0.6309**	**0.6309**	**2.0000e-005**	**2.0000e-005**	**0.6365**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3600e-003	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049
Total	**0.0480**	**9.3900e-003**	**0.0121**	**2.0000e-005**		**5.4000e-004**	**5.4000e-004**		**5.4000e-004**	**5.4000e-004**	**0.0000**	**1.7022**	**1.7022**	**1.1000e-004**	**0.0000**	**1.7049**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	2.0000e-004	2.6000e-003	1.0000e-005	2.4000e-004	1.0000e-005	2.4000e-004	7.0000e-005	0.0000	8.0000e-005	0.0000	0.6309	0.6309	2.0000e-005	2.0000e-005	0.6365
Total	**2.4000e-004**	**2.0000e-004**	**2.6000e-003**	**1.0000e-005**	**2.4000e-004**	**1.0000e-005**	**2.4000e-004**	**7.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.6309**	**0.6309**	**2.0000e-005**	**2.0000e-005**	**0.6365**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1025					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8100e-003	0.0191	0.0266	4.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	3.7448	3.7448	2.2000e-004	0.0000	3.7504
Total	**0.1053**	**0.0191**	**0.0266**	**4.0000e-005**		**1.0400e-003**	**1.0400e-003**		**1.0400e-003**	**1.0400e-003**	**0.0000**	**3.7448**	**3.7448**	**2.2000e-004**	**0.0000**	**3.7504**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

3.5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.9000e-004	5.2500e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3433	1.3433	4.0000e-005	3.0000e-005	1.3546
Total	**4.9000e-004**	**3.9000e-004**	**5.2500e-003**	**1.0000e-005**	**1.6900e-003**	**1.0000e-005**	**1.7000e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3433**	**1.3433**	**4.0000e-005**	**3.0000e-005**	**1.3546**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1025					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8100e-003	0.0191	0.0266	4.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	3.7448	3.7448	2.2000e-004	0.0000	3.7504
Total	**0.1053**	**0.0191**	**0.0266**	**4.0000e-005**		**1.0400e-003**	**1.0400e-003**		**1.0400e-003**	**1.0400e-003**	**0.0000**	**3.7448**	**3.7448**	**2.2000e-004**	**0.0000**	**3.7504**

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

3.5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.9000e-004	5.2500e-003	1.0000e-005	5.2000e-004	1.0000e-005	5.3000e-004	1.6000e-004	1.0000e-005	1.7000e-004	0.0000	1.3433	1.3433	4.0000e-005	3.0000e-005	1.3546
Total	**4.9000e-004**	**3.9000e-004**	**5.2500e-003**	**1.0000e-005**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**1.6000e-004**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**1.3433**	**1.3433**	**4.0000e-005**	**3.0000e-005**	**1.3546**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2608	0.3341	3.0102	6.7700e-003	0.7020	4.8900e-003	0.7069	0.1873	4.5400e-003	0.1918	0.0000	625.7605	625.7605	0.0400	0.0260	634.5134
Unmitigated	0.2608	0.3341	3.0102	6.7700e-003	0.7020	4.8900e-003	0.7069	0.1873	4.5400e-003	0.1918	0.0000	625.7605	625.7605	0.0400	0.0260	634.5134

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	393.61	393.61	393.61	1,868,713	1,868,713
Parking Lot	0.00	0.00	0.00		
Total	393.61	393.61	393.61	1,868,713	1,868,713

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	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
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

5.0 Energy Detail

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

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	239.4512	239.4512	0.0114	1.3800e-003	240.1492
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	239.4512	239.4512	0.0114	1.3800e-003	240.1492
NaturalGas Mitigated	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
NaturalGas Unmitigated	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	599372	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.2300e-003**	**0.0294**	**0.0247**	**1.8000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**31.9848**	**31.9848**	**6.1000e-004**	**5.9000e-004**	**32.1748**

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					
Industrial Park	599372	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.2300e-003**	**0.0294**	**0.0247**	**1.8000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**31.9848**	**31.9848**	**6.1000e-004**	**5.9000e-004**	**32.1748**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	726688	228.0904	0.0109	1.3200e-003	228.7552
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Total		**239.4512**	**0.0114**	**1.3900e-003**	**240.1492**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	726688	228.0904	0.0109	1.3200e-003	228.7552
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Total		**239.4512**	**0.0114**	**1.3900e-003**	**240.1492**

6.0 Area Detail

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Unmitigated	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-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	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2317**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2317**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	59.2145	0.4407	0.0107	73.4099
Unmitigated	59.2145	0.4407	0.0107	73.4099

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	13.4449 / 0	59.2145	0.4407	0.0107	73.4099
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**59.2145**	**0.4407**	**0.0107**	**73.4099**

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	13.4449 / 0	59.2145	0.4407	0.0107	73.4099
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**59.2145**	**0.4407**	**0.0107**	**73.4099**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6336	0.8648	0.0000	36.2542
Unmitigated	14.6336	0.8648	0.0000	36.2542

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	72.09	14.6336	0.8648	0.0000	36.2542
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**14.6336**	**0.8648**	**0.0000**	**36.2542**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	72.09	14.6336	0.8648	0.0000	36.2542
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**14.6336**	**0.8648**	**0.0000**	**36.2542**

9.0 Operational Offroad

Option A: Building 1 - Los Angeles-South Coast County, Annual

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

Equipment Type	Number	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

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

Option A: Building 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
Industrial Park	58.14	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Exterior architectural coatings VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option A.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	32.00
tblConstructionPhase	NumDays	230.00	153.00
tblConstructionPhase	NumDays	8.00	9.00
tblConstructionPhase	NumDays	18.00	22.00
tblGrading	AcresOfGrading	9.00	7.30
tblLandUse	LandUseSquareFeet	58,140.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77
tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	10.8480	19.8407	21.1933	0.0412	1.0831	0.8509	1.9123	0.2910	0.7829	0.9533	0.0000	3,999.4790	3,999.4790	0.9941	0.0994	4,045.4565
2023	10.7161	10.0830	15.5803	0.0324	1.0831	0.4327	1.5158	0.2910	0.4205	0.7115	0.0000	3,158.7998	3,158.7998	0.3086	0.0938	3,194.4654
Maximum	**10.8480**	**19.8407**	**21.1933**	**0.0412**	**1.0831**	**0.8509**	**1.9123**	**0.2910**	**0.7829**	**0.9533**	**0.0000**	**3,999.4790**	**3,999.4790**	**0.9941**	**0.0994**	**4,045.4565**

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					
2022	10.8480	19.8407	21.1933	0.0412	0.3967	0.8509	1.2477	0.1113	0.7829	0.8381	0.0000	3,999.4790	3,999.4790	0.9941	0.0994	4,045.4565
2023	10.7161	10.0830	15.5803	0.0324	0.3508	0.4327	0.7834	0.1113	0.4205	0.5318	0.0000	3,158.7998	3,158.7998	0.3086	0.0938	3,194.4654
Maximum	**10.8480**	**19.8407**	**21.1933**	**0.0412**	**0.3967**	**0.8509**	**1.2477**	**0.1113**	**0.7829**	**0.8381**	**0.0000**	**3,999.4790**	**3,999.4790**	**0.9941**	**0.0994**	**4,045.4565**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	65.49	0.00	40.75	61.77	0.00	17.72	0.00	0.00	0.00	0.00	0.00	0.00

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4721	1.6710	16.9200	0.0384	3.9339	0.0269	3.9608	1.0478	0.0250	1.0728		3,917.8331	3,917.8331	0.2384	0.1497	3,968.4095
Total	**2.7597**	**1.8321**	**17.0614**	**0.0394**	**3.9339**	**0.0392**	**3.9731**	**1.0478**	**0.0372**	**1.0851**		**4,111.0363**	**4,111.0363**	**0.2421**	**0.1533**	**4,162.7616**

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	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4721	1.6710	16.9200	0.0384	3.9339	0.0269	3.9608	1.0478	0.0250	1.0728		3,917.8331	3,917.8331	0.2384	0.1497	3,968.4095
Total	**2.7597**	**1.8321**	**17.0614**	**0.0394**	**3.9339**	**0.0392**	**3.9731**	**1.0478**	**0.0372**	**1.0851**		**4,111.0363**	**4,111.0363**	**0.2421**	**0.1533**	**4,162.7616**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/20/2022	6/30/2022	5	9	
2	Building Construction	Building Construction	7/1/2022	1/31/2023	5	153	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	12/19/2022	1/31/2023	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8602	0.0000	0.8602	0.0929	0.0000	0.0929			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817		3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.8602**	**0.8497**	**1.7098**	**0.0929**	**0.7817**	**0.8746**		**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3355	0.0000	0.3355	0.0362	0.0000	0.0362			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817	0.0000	3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.3355**	**0.8497**	**1.1851**	**0.0362**	**0.7817**	**0.8179**	**0.0000**	**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9211	7.6820	9.8574	0.0155		0.3812	0.3812		0.3676	0.3676		1,442.4019	1,442.4019	0.2523		1,448.7100
Total	**0.9211**	**7.6820**	**9.8574**	**0.0155**		**0.3812**	**0.3812**		**0.3676**	**0.3676**		**1,442.4019**	**1,442.4019**	**0.2523**		**1,448.7100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.1665	0.0121	0.1787	0.0480	0.0116	0.0596		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.9266**	**0.0170**	**0.9436**	**0.2495**	**0.0161**	**0.2656**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9211	7.6820	9.8574	0.0155		0.3812	0.3812		0.3676	0.3676	0.0000	1,442.4019	1,442.4019	0.2523		1,448.7100
Total	**0.9211**	**7.6820**	**9.8574**	**0.0155**		**0.3812**	**0.3812**		**0.3676**	**0.3676**	**0.0000**	**1,442.4019**	**1,442.4019**	**0.2523**		**1,448.7100**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.0717	0.0121	0.0838	0.0247	0.0116	0.0363		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.3031**	**0.0170**	**0.3201**	**0.0965**	**0.0161**	**0.1126**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 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	0.8489	7.1647	9.8154	0.0155		0.3277	0.3277		0.3162	0.3162		1,442.7395	1,442.7395	0.2481		1,448.9407
Total	**0.8489**	**7.1647**	**9.8154**	**0.0155**		**0.3277**	**0.3277**		**0.3162**	**0.3162**		**1,442.7395**	**1,442.7395**	**0.2481**		**1,448.9407**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.9980	0.3866	4.8400e-003	0.1665	5.0200e-003	0.1716	0.0480	4.8000e-003	0.0528		520.7344	520.7344	0.0175	0.0749	543.4809
Worker	0.2176	0.1517	2.4575	6.7300e-003	0.7601	4.5700e-003	0.7647	0.2016	4.2100e-003	0.2058		680.0513	680.0513	0.0172	0.0157	685.1567
Total	**0.2475**	**1.1497**	**2.8441**	**0.0116**	**0.9266**	**9.5900e-003**	**0.9362**	**0.2495**	**9.0100e-003**	**0.2585**		**1,200.7857**	**1,200.7857**	**0.0346**	**0.0906**	**1,228.6376**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 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	0.8489	7.1647	9.8154	0.0155		0.3277	0.3277		0.3162	0.3162	0.0000	1,442.7395	1,442.7395	0.2481		1,448.9407
Total	**0.8489**	**7.1647**	**9.8154**	**0.0155**		**0.3277**	**0.3277**		**0.3162**	**0.3162**	**0.0000**	**1,442.7395**	**1,442.7395**	**0.2481**		**1,448.9407**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.9980	0.3866	4.8400e-003	0.0717	5.0200e-003	0.0767	0.0247	4.8000e-003	0.0295		520.7344	520.7344	0.0175	0.0749	543.4809
Worker	0.2176	0.1517	2.4575	6.7300e-003	0.2315	4.5700e-003	0.2360	0.0718	4.2100e-003	0.0760		680.0513	680.0513	0.0172	0.0157	685.1567
Total	**0.2475**	**1.1497**	**2.8441**	**0.0116**	**0.3031**	**9.5900e-003**	**0.3127**	**0.0965**	**9.0100e-003**	**0.1055**		**1,200.7857**	**1,200.7857**	**0.0346**	**0.0906**	**1,228.6376**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**9.5920**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**9.5920**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**9.5749**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0312	0.5060	1.3900e-003	0.1565	9.4000e-004	0.1574	0.0415	8.7000e-004	0.0424		140.0106	140.0106	3.5300e-003	3.2300e-003	141.0617
Total	**0.0448**	**0.0312**	**0.5060**	**1.3900e-003**	**0.1565**	**9.4000e-004**	**0.1574**	**0.0415**	**8.7000e-004**	**0.0424**		**140.0106**	**140.0106**	**3.5300e-003**	**3.2300e-003**	**141.0617**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 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					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**9.5749**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0312	0.5060	1.3900e-003	0.0477	9.4000e-004	0.0486	0.0148	8.7000e-004	0.0157		140.0106	140.0106	3.5300e-003	3.2300e-003	141.0617
Total	**0.0448**	**0.0312**	**0.5060**	**1.3900e-003**	**0.0477**	**9.4000e-004**	**0.0486**	**0.0148**	**8.7000e-004**	**0.0157**		**140.0106**	**140.0106**	**3.5300e-003**	**3.2300e-003**	**141.0617**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4721	1.6710	16.9200	0.0384	3.9339	0.0269	3.9608	1.0478	0.0250	1.0728		3,917.8331	3,917.8331	0.2384	0.1497	3,968.4095
Unmitigated	1.4721	1.6710	16.9200	0.0384	3.9339	0.0269	3.9608	1.0478	0.0250	1.0728		3,917.8331	3,917.8331	0.2384	0.1497	3,968.4095

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	393.61	393.61	393.61	1,868,713	1,868,713
Parking Lot	0.00	0.00	0.00		
Total	393.61	393.61	393.61	1,868,713	1,868,713

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
NaturalGas Unmitigated	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1642.11	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

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					
Industrial Park	1.64211	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

6.0 Area Detail

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 1 - Los Angeles-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

Option A: Building 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
Industrial Park	58.14	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Exterior architectural coatings VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option A.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	32.00
tblConstructionPhase	NumDays	230.00	153.00
tblConstructionPhase	NumDays	8.00	9.00
tblConstructionPhase	NumDays	18.00	22.00
tblGrading	AcresOfGrading	9.00	7.30
tblLandUse	LandUseSquareFeet	58,140.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77
tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	10.8674	19.8455	20.9475	0.0408	1.0831	0.8509	1.9123	0.2910	0.7829	0.9534	0.0000	3,955.4272	3,955.4272	0.9942	0.1009	4,001.8543
2023	10.7346	10.1490	15.3529	0.0320	1.0831	0.4327	1.5158	0.2910	0.4205	0.7116	0.0000	3,116.4463	3,116.4463	0.3088	0.0953	3,152.5609
Maximum	**10.8674**	**19.8455**	**20.9475**	**0.0408**	**1.0831**	**0.8509**	**1.9123**	**0.2910**	**0.7829**	**0.9534**	**0.0000**	**3,955.4272**	**3,955.4272**	**0.9942**	**0.1009**	**4,001.8543**

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					
2022	10.8674	19.8455	20.9475	0.0408	0.3967	0.8509	1.2477	0.1113	0.7829	0.8381	0.0000	3,955.4272	3,955.4272	0.9942	0.1009	4,001.8543
2023	10.7346	10.1490	15.3529	0.0320	0.3508	0.4327	0.7835	0.1113	0.4205	0.5318	0.0000	3,116.4463	3,116.4463	0.3088	0.0953	3,152.5609
Maximum	**10.8674**	**19.8455**	**20.9475**	**0.0408**	**0.3967**	**0.8509**	**1.2477**	**0.1113**	**0.7829**	**0.8381**	**0.0000**	**3,955.4272**	**3,955.4272**	**0.9942**	**0.1009**	**4,001.8543**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	65.49	0.00	40.75	61.77	0.00	17.72	0.00	0.00	0.00	0.00	0.00	0.00

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4527	1.8057	16.3463	0.0368	3.9339	0.0269	3.9609	1.0478	0.0250	1.0728		3,749.3975	3,749.3975	0.2432	0.1563	3,802.0596
Total	**2.7404**	**1.9667**	**16.4877**	**0.0378**	**3.9339**	**0.0392**	**3.9731**	**1.0478**	**0.0372**	**1.0851**		**3,942.6007**	**3,942.6007**	**0.2469**	**0.1599**	**3,996.4117**

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	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4527	1.8057	16.3463	0.0368	3.9339	0.0269	3.9609	1.0478	0.0250	1.0728		3,749.3975	3,749.3975	0.2432	0.1563	3,802.0596
Total	**2.7404**	**1.9667**	**16.4877**	**0.0378**	**3.9339**	**0.0392**	**3.9731**	**1.0478**	**0.0372**	**1.0851**		**3,942.6007**	**3,942.6007**	**0.2469**	**0.1599**	**3,996.4117**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/20/2022	6/30/2022	5	9	
2	Building Construction	Building Construction	7/1/2022	1/31/2023	5	153	
3	Paving	Paving	11/1/2022	11/30/2022	5	22	
4	Architectural Coating	Architectural Coating	12/19/2022	1/31/2023	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8602	0.0000	0.8602	0.0929	0.0000	0.0929			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817		3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.8602**	**0.8497**	**1.7098**	**0.0929**	**0.7817**	**0.8746**		**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3355	0.0000	0.3355	0.0362	0.0000	0.0362			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817	0.0000	3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.3355**	**0.8497**	**1.1851**	**0.0362**	**0.7817**	**0.8179**	**0.0000**	**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9211	7.6820	9.8574	0.0155		0.3812	0.3812		0.3676	0.3676		1,442.4019	1,442.4019	0.2523		1,448.7100
Total	**0.9211**	**7.6820**	**9.8574**	**0.0155**		**0.3812**	**0.3812**		**0.3676**	**0.3676**		**1,442.4019**	**1,442.4019**	**0.2523**		**1,448.7100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.1665	0.0122	0.1787	0.0480	0.0117	0.0596		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.9266**	**0.0170**	**0.9437**	**0.2495**	**0.0161**	**0.2657**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9211	7.6820	9.8574	0.0155		0.3812	0.3812		0.3676	0.3676	0.0000	1,442.4019	1,442.4019	0.2523		1,448.7100
Total	**0.9211**	**7.6820**	**9.8574**	**0.0155**		**0.3812**	**0.3812**		**0.3676**	**0.3676**	**0.0000**	**1,442.4019**	**1,442.4019**	**0.2523**		**1,448.7100**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.0717	0.0122	0.0838	0.0247	0.0117	0.0363		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.3031**	**0.0170**	**0.3202**	**0.0965**	**0.0161**	**0.1126**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 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	0.8489	7.1647	9.8154	0.0155		0.3277	0.3277		0.3162	0.3162		1,442.7395	1,442.7395	0.2481		1,448.9407
Total	**0.8489**	**7.1647**	**9.8154**	**0.0155**		**0.3277**	**0.3277**		**0.3162**	**0.3162**		**1,442.7395**	**1,442.7395**	**0.2481**		**1,448.9407**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0289	1.0449	0.3988	4.8500e-003	0.1665	5.0500e-003	0.1716	0.0480	4.8300e-003	0.0528		521.6128	521.6128	0.0174	0.0751	544.4169
Worker	0.2338	0.1676	2.2589	6.3700e-003	0.7601	4.5700e-003	0.7647	0.2016	4.2100e-003	0.2058		644.2005	644.2005	0.0174	0.0168	649.6305
Total	**0.2627**	**1.2124**	**2.6576**	**0.0112**	**0.9266**	**9.6200e-003**	**0.9362**	**0.2495**	**9.0400e-003**	**0.2586**		**1,165.8132**	**1,165.8132**	**0.0348**	**0.0918**	**1,194.0474**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 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	0.8489	7.1647	9.8154	0.0155		0.3277	0.3277		0.3162	0.3162	0.0000	1,442.7395	1,442.7395	0.2481		1,448.9407
Total	**0.8489**	**7.1647**	**9.8154**	**0.0155**		**0.3277**	**0.3277**		**0.3162**	**0.3162**	**0.0000**	**1,442.7395**	**1,442.7395**	**0.2481**		**1,448.9407**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0289	1.0449	0.3988	4.8500e-003	0.0717	5.0500e-003	0.0767	0.0247	4.8300e-003	0.0295		521.6128	521.6128	0.0174	0.0751	544.4169
Worker	0.2338	0.1676	2.2589	6.3700e-003	0.2315	4.5700e-003	0.2360	0.0718	4.2100e-003	0.0760		644.2005	644.2005	0.0174	0.0168	649.6305
Total	**0.2627**	**1.2124**	**2.6576**	**0.0112**	**0.3031**	**9.6200e-003**	**0.3127**	**0.0965**	**9.0400e-003**	**0.1055**		**1,165.8132**	**1,165.8132**	**0.0348**	**0.0918**	**1,194.0474**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**9.5920**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**9.5920**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	**9.5749**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**		**375.2641**	**375.2641**	**0.0225**		**375.8253**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0345	0.4651	1.3100e-003	0.1565	9.4000e-004	0.1574	0.0415	8.7000e-004	0.0424		132.6295	132.6295	3.5800e-003	3.4500e-003	133.7475
Total	**0.0481**	**0.0345**	**0.4651**	**1.3100e-003**	**0.1565**	**9.4000e-004**	**0.1574**	**0.0415**	**8.7000e-004**	**0.0424**		**132.6295**	**132.6295**	**3.5800e-003**	**3.4500e-003**	**133.7475**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 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					
Archit. Coating	9.3193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	**9.5749**	**1.7373**	**2.4148**	**3.9600e-003**		**0.0944**	**0.0944**		**0.0944**	**0.0944**	**0.0000**	**375.2641**	**375.2641**	**0.0225**		**375.8253**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0345	0.4651	1.3100e-003	0.0477	9.4000e-004	0.0486	0.0148	8.7000e-004	0.0157		132.6295	132.6295	3.5800e-003	3.4500e-003	133.7475
Total	**0.0481**	**0.0345**	**0.4651**	**1.3100e-003**	**0.0477**	**9.4000e-004**	**0.0486**	**0.0148**	**8.7000e-004**	**0.0157**		**132.6295**	**132.6295**	**3.5800e-003**	**3.4500e-003**	**133.7475**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4527	1.8057	16.3463	0.0368	3.9339	0.0269	3.9609	1.0478	0.0250	1.0728		3,749.3975	3,749.3975	0.2432	0.1563	3,802.0596
Unmitigated	1.4527	1.8057	16.3463	0.0368	3.9339	0.0269	3.9609	1.0478	0.0250	1.0728		3,749.3975	3,749.3975	0.2432	0.1563	3,802.0596

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	393.61	393.61	393.61	1,868,713	1,868,713
Parking Lot	0.00	0.00	0.00		
Total	393.61	393.61	393.61	1,868,713	1,868,713

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
NaturalGas Unmitigated	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1642.11	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

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					
Industrial Park	1.64211	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

6.0 Area Detail

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 1 - Los Angeles-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

Option A: Building 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
Industrial Park	58.13	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	43.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	22.00
tblGrading	AcresOfGrading	10.00	7.30
tblLandUse	LandUseSquareFeet	58,130.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77
tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3138	1.3799	1.5234	3.3200e-003	0.0893	0.0600	0.1493	0.0234	0.0569	0.0804	0.0000	293.6287	293.6287	0.0461	7.8600e-003	297.1246
Maximum	**0.3138**	**1.3799**	**1.5234**	**3.3200e-003**	**0.0893**	**0.0600**	**0.1493**	**0.0234**	**0.0569**	**0.0804**	**0.0000**	**293.6287**	**293.6287**	**0.0461**	**7.8600e-003**	**297.1246**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3138	1.3799	1.5234	3.3200e-003	0.0295	0.0600	0.0895	9.0900e-003	0.0569	0.0660	0.0000	293.6285	293.6285	0.0461	7.8600e-003	297.1243
Maximum	**0.3138**	**1.3799**	**1.5234**	**3.3200e-003**	**0.0295**	**0.0600**	**0.0895**	**9.0900e-003**	**0.0569**	**0.0660**	**0.0000**	**293.6285**	**293.6285**	**0.0461**	**7.8600e-003**	**297.1243**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**66.93**	**0.00**	**40.02**	**61.20**	**0.00**	**17.84**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-18-2022	7-17-2022	0.5024	0.5024
2	7-18-2022	9-30-2022	0.3989	0.3989
		Highest	0.5024	0.5024

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	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	271.4360	271.4360	0.0120	1.9700e-003	272.3240
Mobile	0.2608	0.3341	3.0097	6.7600e-003	0.7019	4.8900e-003	0.7068	0.1873	4.5400e-003	0.1918	0.0000	625.6528	625.6528	0.0400	0.0260	634.4043
Waste						0.0000	0.0000		0.0000	0.0000	14.6316	0.0000	14.6316	0.8647	0.0000	36.2491
Water						0.0000	0.0000		0.0000	0.0000	4.2647	54.9396	59.2043	0.4407	0.0107	73.3973
Total	**0.4957**	**0.3634**	**3.0351**	**6.9400e-003**	**0.7019**	**7.1200e-003**	**0.7090**	**0.1873**	**6.7700e-003**	**0.1940**	**18.8963**	**952.0300**	**970.9263**	**1.3574**	**0.0386**	**1,016.3763**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

2.2 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	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	271.4360	271.4360	0.0120	1.9700e-003	272.3240
Mobile	0.2608	0.3341	3.0097	6.7600e-003	0.7019	4.8900e-003	0.7068	0.1873	4.5400e-003	0.1918	0.0000	625.6528	625.6528	0.0400	0.0260	634.4043
Waste						0.0000	0.0000		0.0000	0.0000	14.6316	0.0000	14.6316	0.8647	0.0000	36.2491
Water						0.0000	0.0000		0.0000	0.0000	4.2647	54.9396	59.2043	0.4407	0.0107	73.3973
Total	**0.4957**	**0.3634**	**3.0351**	**6.9400e-003**	**0.7019**	**7.1200e-003**	**0.7090**	**0.1873**	**6.7700e-003**	**0.1940**	**18.8963**	**952.0300**	**970.9263**	**1.3574**	**0.0386**	**1,016.3763**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/18/2022	4/29/2022	5	10	
2	Building Construction	Building Construction	5/2/2022	12/30/2022	5	175	
3	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

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

4	Paving	Paving	11/1/2022	11/30/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8700e-003	0.0000	3.8700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8500e-003	0.0990	0.0793	1.6000e-004		4.2500e-003	4.2500e-003		3.9100e-003	3.9100e-003	0.0000	13.8715	13.8715	4.4900e-003	0.0000	13.9837
Total	**8.8500e-003**	**0.0990**	**0.0793**	**1.6000e-004**	**3.8700e-003**	**4.2500e-003**	**8.1200e-003**	**4.2000e-004**	**3.9100e-003**	**4.3300e-003**	**0.0000**	**13.8715**	**13.8715**	**4.4900e-003**	**0.0000**	**13.9837**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.6000e-004	3.3400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8111	0.8111	2.0000e-005	2.0000e-005	0.8183
Total	**3.1000e-004**	**2.6000e-004**	**3.3400e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8111**	**0.8111**	**2.0000e-005**	**2.0000e-005**	**0.8183**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5100e-003	0.0000	1.5100e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8500e-003	0.0990	0.0793	1.6000e-004		4.2500e-003	4.2500e-003		3.9100e-003	3.9100e-003	0.0000	13.8715	13.8715	4.4900e-003	0.0000	13.9837
Total	**8.8500e-003**	**0.0990**	**0.0793**	**1.6000e-004**	**1.5100e-003**	**4.2500e-003**	**5.7600e-003**	**1.6000e-004**	**3.9100e-003**	**4.0700e-003**	**0.0000**	**13.8715**	**13.8715**	**4.4900e-003**	**0.0000**	**13.9837**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.6000e-004	3.3400e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8111	0.8111	2.0000e-005	2.0000e-005	0.8183
Total	**3.1000e-004**	**2.6000e-004**	**3.3400e-003**	**1.0000e-005**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**	**9.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.8111**	**0.8111**	**2.0000e-005**	**2.0000e-005**	**0.8183**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1132	1.0383	1.0281	1.8600e-003		0.0486	0.0486		0.0462	0.0462	0.0000	158.8552	158.8552	0.0344	0.0000	159.7145
Total	**0.1132**	**1.0383**	**1.0281**	**1.8600e-003**		**0.0486**	**0.0486**		**0.0462**	**0.0462**	**0.0000**	**158.8552**	**158.8552**	**0.0344**	**0.0000**	**159.7145**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4400e-003	0.1170	0.0388	4.5000e-004	0.0143	1.0600e-003	0.0154	4.1400e-003	1.0200e-003	5.1600e-003	0.0000	43.4429	43.4429	1.4500e-003	6.2700e-003	45.3466
Worker	0.0204	0.0170	0.2206	5.8000e-004	0.0652	4.3000e-004	0.0656	0.0173	3.9000e-004	0.0177	0.0000	53.6239	53.6239	1.5400e-003	1.4700e-003	54.0991
Total	**0.0248**	**0.1340**	**0.2594**	**1.0300e-003**	**0.0795**	**1.4900e-003**	**0.0810**	**0.0215**	**1.4100e-003**	**0.0229**	**0.0000**	**97.0668**	**97.0668**	**2.9900e-003**	**7.7400e-003**	**99.4457**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1132	1.0383	1.0281	1.8600e-003		0.0486	0.0486		0.0462	0.0462	0.0000	158.8550	158.8550	0.0344	0.0000	159.7144
Total	**0.1132**	**1.0383**	**1.0281**	**1.8600e-003**		**0.0486**	**0.0486**		**0.0462**	**0.0462**	**0.0000**	**158.8550**	**158.8550**	**0.0344**	**0.0000**	**159.7144**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4400e-003	0.1170	0.0388	4.5000e-004	6.2200e-003	1.0600e-003	7.2900e-003	2.1500e-003	1.0200e-003	3.1600e-003	0.0000	43.4429	43.4429	1.4500e-003	6.2700e-003	45.3466
Worker	0.0204	0.0170	0.2206	5.8000e-004	0.0200	4.3000e-004	0.0204	6.2200e-003	3.9000e-004	6.6100e-003	0.0000	53.6239	53.6239	1.5400e-003	1.4700e-003	54.0991
Total	**0.0248**	**0.1340**	**0.2594**	**1.0300e-003**	**0.0262**	**1.4900e-003**	**0.0277**	**8.3700e-003**	**1.4100e-003**	**9.7700e-003**	**0.0000**	**97.0668**	**97.0668**	**2.9900e-003**	**7.7400e-003**	**99.4457**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1491					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.1550**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

3.4 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	8.6000e-004	0.0112	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.7127	2.7127	8.0000e-005	7.0000e-005	2.7368
Total	**1.0300e-003**	**8.6000e-004**	**0.0112**	**3.0000e-005**	**3.3000e-003**	**2.0000e-005**	**3.3200e-003**	**8.8000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.7127**	**2.7127**	**8.0000e-005**	**7.0000e-005**	**2.7368**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1491					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.1550**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

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

3.4 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	8.6000e-004	0.0112	3.0000e-005	1.0100e-003	2.0000e-005	1.0300e-003	3.1000e-004	2.0000e-005	3.3000e-004	0.0000	2.7127	2.7127	8.0000e-005	7.0000e-005	2.7368
Total	**1.0300e-003**	**8.6000e-004**	**0.0112**	**3.0000e-005**	**1.0100e-003**	**2.0000e-005**	**1.0300e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**2.7127**	**2.7127**	**8.0000e-005**	**7.0000e-005**	**2.7368**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7942
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7942**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7941
Paving	3.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0101**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7941**

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

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2608	0.3341	3.0097	6.7600e-003	0.7019	4.8900e-003	0.7068	0.1873	4.5400e-003	0.1918	0.0000	625.6528	625.6528	0.0400	0.0260	634.4043
Unmitigated	0.2608	0.3341	3.0097	6.7600e-003	0.7019	4.8900e-003	0.7068	0.1873	4.5400e-003	0.1918	0.0000	625.6528	625.6528	0.0400	0.0260	634.4043

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	393.54	393.54	393.54	1,868,391	1,868,391
Parking Lot	0.00	0.00	0.00		
Total	393.54	393.54	393.54	1,868,391	1,868,391

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	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
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

5.0 Energy Detail

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

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	239.4512	239.4512	0.0114	1.3800e-003	240.1492
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	239.4512	239.4512	0.0114	1.3800e-003	240.1492
NaturalGas Mitigated	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
NaturalGas Unmitigated	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	599372	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.2300e-003**	**0.0294**	**0.0247**	**1.8000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**31.9848**	**31.9848**	**6.1000e-004**	**5.9000e-004**	**32.1748**

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					
Industrial Park	599372	3.2300e-003	0.0294	0.0247	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9848	31.9848	6.1000e-004	5.9000e-004	32.1748
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.2300e-003**	**0.0294**	**0.0247**	**1.8000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**31.9848**	**31.9848**	**6.1000e-004**	**5.9000e-004**	**32.1748**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	726688	228.0904	0.0109	1.3200e-003	228.7552
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Total		**239.4512**	**0.0114**	**1.3900e-003**	**240.1492**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	726688	228.0904	0.0109	1.3200e-003	228.7552
Parking Lot	36195.3	11.3609	5.4000e-004	7.0000e-005	11.3940
Total		**239.4512**	**0.0114**	**1.3900e-003**	**240.1492**

6.0 Area Detail

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Unmitigated	0.2317	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-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	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2317**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2168					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	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.2317**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	59.2043	0.4407	0.0107	73.3973
Unmitigated	59.2043	0.4407	0.0107	73.3973

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	13.4426 / 0	59.2043	0.4407	0.0107	73.3973
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**59.2043**	**0.4407**	**0.0107**	**73.3973**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	13.4426 / 0	59.2043	0.4407	0.0107	73.3973
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**59.2043**	**0.4407**	**0.0107**	**73.3973**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6316	0.8647	0.0000	36.2491
Unmitigated	14.6316	0.8647	0.0000	36.2491

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	72.08	14.6316	0.8647	0.0000	36.2491
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**14.6316**	**0.8647**	**0.0000**	**36.2491**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	72.08	14.6316	0.8647	0.0000	36.2491
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**14.6316**	**0.8647**	**0.0000**	**36.2491**

9.0 Operational Offroad

Option A: Building 2 - Los Angeles-South Coast County, Annual

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

Equipment Type	Number	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

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

Option A: Building 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
Industrial Park	58.13	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	43.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	22.00
tblGrading	AcresOfGrading	10.00	7.30
tblLandUse	LandUseSquareFeet	58,130.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77
tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.7958	21.3228	26.0548	0.0524	1.2284	0.9863	2.2147	0.3296	0.9350	1.2645	0.0000	5,078.2552	5,078.2552	0.9941	0.1026	5,130.5045
Maximum	**9.7958**	**21.3228**	**26.0548**	**0.0524**	**1.2284**	**0.9863**	**2.2147**	**0.3296**	**0.9350**	**1.2645**	**0.0000**	**5,078.2552**	**5,078.2552**	**0.9941**	**0.1026**	**5,130.5045**

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					
2022	9.7958	21.3228	26.0548	0.0524	0.3950	0.9863	1.3813	0.1250	0.9350	1.0600	0.0000	5,078.2552	5,078.2552	0.9941	0.1026	5,130.5045
Maximum	**9.7958**	**21.3228**	**26.0548**	**0.0524**	**0.3950**	**0.9863**	**1.3813**	**0.1250**	**0.9350**	**1.0600**	**0.0000**	**5,078.2552**	**5,078.2552**	**0.9941**	**0.1026**	**5,130.5045**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**67.84**	**0.00**	**37.63**	**62.07**	**0.00**	**16.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4718	1.6708	16.9171	0.0384	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,917.1592	3,917.1592	0.2383	0.1497	3,967.7270
Total	**2.7595**	**1.8318**	**17.0585**	**0.0394**	**3.9333**	**0.0392**	**3.9724**	**1.0477**	**0.0372**	**1.0849**		**4,110.3624**	**4,110.3624**	**0.2421**	**0.1532**	**4,162.0791**

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	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4718	1.6708	16.9171	0.0384	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,917.1592	3,917.1592	0.2383	0.1497	3,967.7270
Total	**2.7595**	**1.8318**	**17.0585**	**0.0394**	**3.9333**	**0.0392**	**3.9724**	**1.0477**	**0.0372**	**1.0849**		**4,110.3624**	**4,110.3624**	**0.2421**	**0.1532**	**4,162.0791**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/18/2022	4/29/2022	5	10	
2	Building Construction	Building Construction	5/2/2022	12/30/2022	5	175	
3	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	
4	Paving	Paving	11/1/2022	11/30/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7742	0.0000	0.7742	0.0836	0.0000	0.0836			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817		3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.7742**	**0.8497**	**1.6238**	**0.0836**	**0.7817**	**0.8653**		**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3019	0.0000	0.3019	0.0326	0.0000	0.0326			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817	0.0000	3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.3019**	**0.8497**	**1.1516**	**0.0326**	**0.7817**	**0.8143**	**0.0000**	**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	11.8662	11.7498	0.0212		0.5549	0.5549		0.5274	0.5274		2,001.2323	2,001.2323	0.4331		2,012.0588
Total	**1.2941**	**11.8662**	**11.7498**	**0.0212**		**0.5549**	**0.5549**		**0.5274**	**0.5274**		**2,001.2323**	**2,001.2323**	**0.4331**		**2,012.0588**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.1665	0.0121	0.1787	0.0480	0.0116	0.0596		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.9266**	**0.0170**	**0.9436**	**0.2495**	**0.0161**	**0.2656**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	11.8662	11.7498	0.0212		0.5549	0.5549		0.5274	0.5274	0.0000	2,001.2323	2,001.2323	0.4331		2,012.0588
Total	**1.2941**	**11.8662**	**11.7498**	**0.0212**		**0.5549**	**0.5549**		**0.5274**	**0.5274**	**0.0000**	**2,001.2323**	**2,001.2323**	**0.4331**		**2,012.0588**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0512	1.2736	0.4367	5.0900e-003	0.0717	0.0121	0.0838	0.0247	0.0116	0.0363		547.2002	547.2002	0.0183	0.0789	571.1554
Worker	0.2353	0.1718	2.6764	6.9500e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		702.7405	702.7405	0.0192	0.0170	708.2898
Total	**0.2864**	**1.4453**	**3.1130**	**0.0120**	**0.3031**	**0.0170**	**0.3201**	**0.0965**	**0.0161**	**0.1126**		**1,249.9407**	**1,249.9407**	**0.0374**	**0.0959**	**1,279.4452**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.4 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0354	0.5510	1.4300e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		144.6819	144.6819	3.9400e-003	3.5000e-003	145.8244
Total	**0.0484**	**0.0354**	**0.5510**	**1.4300e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**144.6819**	**144.6819**	**3.9400e-003**	**3.5000e-003**	**145.8244**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4718	1.6708	16.9171	0.0384	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,917.1592	3,917.1592	0.2383	0.1497	3,967.7270
Unmitigated	1.4718	1.6708	16.9171	0.0384	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,917.1592	3,917.1592	0.2383	0.1497	3,967.7270

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	393.54	393.54	393.54	1,868,391	1,868,391
Parking Lot	0.00	0.00	0.00		
Total	393.54	393.54	393.54	1,868,391	1,868,391

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
NaturalGas Unmitigated	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1642.11	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

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					
Industrial Park	1.64211	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

6.0 Area Detail

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 2 - Los Angeles-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

Option A: Building 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
Industrial Park	58.13	1000sqft	1.28	58,135.00	0
Parking Lot	2.37	Acre	2.37	103,415.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option B.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	18.00	43.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	22.00
tblGrading	AcresOfGrading	10.00	7.30
tblLandUse	LandUseSquareFeet	58,130.00	58,135.00
tblLandUse	LandUseSquareFeet	103,237.20	103,415.00
tblLandUse	LotAcreage	1.33	1.28
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77
tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	9.8184	21.4005	25.7638	0.0519	1.2284	0.9863	2.2148	0.3296	0.9350	1.2646	0.0000	5,026.5540	5,026.5540	0.9942	0.1044	5,079.3257
Maximum	**9.8184**	**21.4005**	**25.7638**	**0.0519**	**1.2284**	**0.9863**	**2.2148**	**0.3296**	**0.9350**	**1.2646**	**0.0000**	**5,026.5540**	**5,026.5540**	**0.9942**	**0.1044**	**5,079.3257**

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					
2022	9.8184	21.4005	25.7638	0.0519	0.3950	0.9863	1.3814	0.1250	0.9350	1.0600	0.0000	5,026.5540	5,026.5540	0.9942	0.1044	5,079.3256
Maximum	**9.8184**	**21.4005**	**25.7638**	**0.0519**	**0.3950**	**0.9863**	**1.3814**	**0.1250**	**0.9350**	**1.0600**	**0.0000**	**5,026.5540**	**5,026.5540**	**0.9942**	**0.1044**	**5,079.3256**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**67.84**	**0.00**	**37.63**	**62.07**	**0.00**	**16.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4525	1.8054	16.3435	0.0368	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,748.7527	3,748.7527	0.2431	0.1563	3,801.4057
Total	**2.7402**	**1.9664**	**16.4849**	**0.0377**	**3.9333**	**0.0392**	**3.9724**	**1.0477**	**0.0372**	**1.0849**		**3,941.9559**	**3,941.9559**	**0.2468**	**0.1598**	**3,995.7578**

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	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Energy	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Mobile	1.4525	1.8054	16.3435	0.0368	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,748.7527	3,748.7527	0.2431	0.1563	3,801.4057
Total	**2.7402**	**1.9664**	**16.4849**	**0.0377**	**3.9333**	**0.0392**	**3.9724**	**1.0477**	**0.0372**	**1.0849**		**3,941.9559**	**3,941.9559**	**0.2468**	**0.1598**	**3,995.7578**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/18/2022	4/29/2022	5	10	
2	Building Construction	Building Construction	5/2/2022	12/30/2022	5	175	
3	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	
4	Paving	Paving	11/1/2022	11/30/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.3

Acres of Paving: 2.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,203; Non-Residential Outdoor: 29,068; Striped Parking Area: 6,205 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	68.00	26.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7742	0.0000	0.7742	0.0836	0.0000	0.0836			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817		3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.7742**	**0.8497**	**1.6238**	**0.0836**	**0.7817**	**0.8653**		**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3019	0.0000	0.3019	0.0326	0.0000	0.0326			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817	0.0000	3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.3019**	**0.8497**	**1.1516**	**0.0326**	**0.7817**	**0.8143**	**0.0000**	**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	11.8662	11.7498	0.0212		0.5549	0.5549		0.5274	0.5274		2,001.2323	2,001.2323	0.4331		2,012.0588
Total	**1.2941**	**11.8662**	**11.7498**	**0.0212**		**0.5549**	**0.5549**		**0.5274**	**0.5274**		**2,001.2323**	**2,001.2323**	**0.4331**		**2,012.0588**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.1665	0.0122	0.1787	0.0480	0.0117	0.0596		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.7601	4.8600e-003	0.7649	0.2016	4.4800e-003	0.2061		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.9266**	**0.0170**	**0.9437**	**0.2495**	**0.0161**	**0.2657**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	11.8662	11.7498	0.0212		0.5549	0.5549		0.5274	0.5274	0.0000	2,001.2323	2,001.2323	0.4331		2,012.0588
Total	**1.2941**	**11.8662**	**11.7498**	**0.0212**		**0.5549**	**0.5549**		**0.5274**	**0.5274**	**0.0000**	**2,001.2323**	**2,001.2323**	**0.4331**		**2,012.0588**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0506	1.3261	0.4518	5.0900e-003	0.0717	0.0122	0.0838	0.0247	0.0117	0.0363		547.4057	547.4057	0.0182	0.0790	571.3898
Worker	0.2519	0.1898	2.4573	6.5900e-003	0.2315	4.8600e-003	0.2363	0.0718	4.4800e-003	0.0763		665.5862	665.5862	0.0194	0.0182	671.4887
Total	**0.3024**	**1.5159**	**2.9091**	**0.0117**	**0.3031**	**0.0170**	**0.3202**	**0.0965**	**0.0161**	**0.1126**		**1,212.9919**	**1,212.9919**	**0.0376**	**0.0971**	**1,242.8785**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.1565	1.0000e-003	0.1575	0.0415	9.2000e-004	0.0424		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.1565**	**1.0000e-003**	**0.1575**	**0.0415**	**9.2000e-004**	**0.0424**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.4 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.9353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**7.2080**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0391	0.5059	1.3600e-003	0.0477	1.0000e-003	0.0487	0.0148	9.2000e-004	0.0157		137.0324	137.0324	3.9900e-003	3.7400e-003	138.2477
Total	**0.0519**	**0.0391**	**0.5059**	**1.3600e-003**	**0.0477**	**1.0000e-003**	**0.0487**	**0.0148**	**9.2000e-004**	**0.0157**		**137.0324**	**137.0324**	**3.9900e-003**	**3.7400e-003**	**138.2477**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.2823					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9139**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4525	1.8054	16.3435	0.0368	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,748.7527	3,748.7527	0.2431	0.1563	3,801.4057
Unmitigated	1.4525	1.8054	16.3435	0.0368	3.9333	0.0269	3.9602	1.0477	0.0250	1.0726		3,748.7527	3,748.7527	0.2431	0.1563	3,801.4057

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	393.54	393.54	393.54	1,868,391	1,868,391
Parking Lot	0.00	0.00	0.00		
Total	393.54	393.54	393.54	1,868,391	1,868,391

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
NaturalGas Unmitigated	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1642.11	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

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					
Industrial Park	1.64211	0.0177	0.1610	0.1352	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1900	193.1900	3.7000e-003	3.5400e-003	194.3380
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0177**	**0.1610**	**0.1352**	**9.7000e-004**		**0.0122**	**0.0122**		**0.0122**	**0.0122**		**193.1900**	**193.1900**	**3.7000e-003**	**3.5400e-003**	**194.3380**

6.0 Area Detail

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Unmitigated	1.2700	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

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	0.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.1800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0132	0.0132	3.0000e-005		0.0141
Total	**1.2700**	**6.0000e-005**	**6.1800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0132**	**0.0132**	**3.0000e-005**		**0.0141**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 2 - Los Angeles-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

Option A: Building 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
Industrial Park	157.23	1000sqft	3.49	157,230.00	0
Parking Lot	3.82	Acre	3.82	165,869.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope architectural coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option A.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	185.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	14.62
tblLandUse	LandUseSquareFeet	166,399.20	165,869.00
tblLandUse	LotAcreage	3.61	3.49
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6706	2.2962	2.7769	5.8900e-003	0.1855	0.1014	0.2869	0.0488	0.0956	0.1444	0.0000	523.0770	523.0770	0.0829	0.0168	530.1565
Maximum	**0.6706**	**2.2962**	**2.7769**	**5.8900e-003**	**0.1855**	**0.1014**	**0.2869**	**0.0488**	**0.0956**	**0.1444**	**0.0000**	**523.0770**	**523.0770**	**0.0829**	**0.0168**	**530.1565**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6706	2.2962	2.7769	5.8900e-003	0.0615	0.1014	0.1629	0.0190	0.0956	0.1146	0.0000	523.0767	523.0767	0.0829	0.0168	530.1561
Maximum	**0.6706**	**2.2962**	**2.7769**	**5.8900e-003**	**0.0615**	**0.1014**	**0.1629**	**0.0190**	**0.0956**	**0.1146**	**0.0000**	**523.0767**	**523.0767**	**0.0829**	**0.0168**	**530.1561**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**66.87**	**0.00**	**43.24**	**61.12**	**0.00**	**20.64**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2022**	**6-30-2022**	0.7776	0.7776
2	**7-1-2022**	**9-30-2022**	0.8224	0.8224
		Highest	0.8224	0.8224

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	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Energy	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	721.6125	721.6125	0.0320	5.2600e-003	723.9778
Mobile	0.7053	0.9035	8.1406	0.0183	1.8985	0.0132	1.9117	0.5065	0.0123	0.5187	0.0000	1,692.2655	1,692.2655	0.1082	0.0704	1,715.9364
Waste						0.0000	0.0000		0.0000	0.0000	39.5772	0.0000	39.5772	2.3389	0.0000	98.0507
Water						0.0000	0.0000		0.0000	0.0000	11.5352	148.6007	160.1359	1.1919	0.0288	198.5249
Total	**1.3319**	**0.9830**	**8.2094**	**0.0188**	**1.8985**	**0.0193**	**1.9178**	**0.5065**	**0.0183**	**0.5248**	**51.1123**	**2,562.4827**	**2,613.5950**	**3.6710**	**0.1045**	**2,736.4940**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

2.2 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	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Energy	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	721.6125	721.6125	0.0320	5.2600e-003	723.9778
Mobile	0.7053	0.9035	8.1406	0.0183	1.8985	0.0132	1.9117	0.5065	0.0123	0.5187	0.0000	1,692.2655	1,692.2655	0.1082	0.0704	1,715.9364
Waste						0.0000	0.0000		0.0000	0.0000	39.5772	0.0000	39.5772	2.3389	0.0000	98.0507
Water						0.0000	0.0000		0.0000	0.0000	11.5352	148.6007	160.1359	1.1919	0.0288	198.5249
Total	**1.3319**	**0.9830**	**8.2094**	**0.0188**	**1.8985**	**0.0193**	**1.9178**	**0.5065**	**0.0183**	**0.5248**	**51.1123**	**2,562.4827**	**2,613.5950**	**3.6710**	**0.1045**	**2,736.4940**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2022	4/15/2022	5	11	
2	Building Construction	Building Construction	4/18/2022	12/30/2022	5	185	
3	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	

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

4	Paving	Paving	11/1/2022	11/30/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.62

Acres of Paving: 3.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,845; Non-Residential Outdoor: 78,615; Striped Parking Area: 9,952 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	136.00	53.00	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	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.7500e-003	0.0000	7.7500e-003	8.4000e-004	0.0000	8.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7300e-003	0.1089	0.0873	1.7000e-004		4.6700e-003	4.6700e-003		4.3000e-003	4.3000e-003	0.0000	15.2587	15.2587	4.9300e-003	0.0000	15.3821
Total	**9.7300e-003**	**0.1089**	**0.0873**	**1.7000e-004**	**7.7500e-003**	**4.6700e-003**	**0.0124**	**8.4000e-004**	**4.3000e-003**	**5.1400e-003**	**0.0000**	**15.2587**	**15.2587**	**4.9300e-003**	**0.0000**	**15.3821**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.8000e-004	3.6700e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.8922	0.8922	3.0000e-005	2.0000e-005	0.9001
Total	**3.4000e-004**	**2.8000e-004**	**3.6700e-003**	**1.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.0900e-003**	**2.9000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.8922**	**0.8922**	**3.0000e-005**	**2.0000e-005**	**0.9001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.0200e-003	0.0000	3.0200e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7300e-003	0.1089	0.0873	1.7000e-004		4.6700e-003	4.6700e-003		4.3000e-003	4.3000e-003	0.0000	15.2587	15.2587	4.9300e-003	0.0000	15.3820
Total	**9.7300e-003**	**0.1089**	**0.0873**	**1.7000e-004**	**3.0200e-003**	**4.6700e-003**	**7.6900e-003**	**3.3000e-004**	**4.3000e-003**	**4.6300e-003**	**0.0000**	**15.2587**	**15.2587**	**4.9300e-003**	**0.0000**	**15.3820**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.8000e-004	3.6700e-003	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.8922	0.8922	3.0000e-005	2.0000e-005	0.9001
Total	**3.4000e-004**	**2.8000e-004**	**3.6700e-003**	**1.0000e-005**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**1.0000e-004**	**1.0000e-005**	**1.1000e-004**	**0.0000**	**0.8922**	**0.8922**	**3.0000e-005**	**2.0000e-005**	**0.9001**

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2001	1.7899	1.9724	3.2100e-003		0.0878	0.0878		0.0828	0.0828	0.0000	274.3898	274.3898	0.0672	0.0000	276.0703
Total	**0.2001**	**1.7899**	**1.9724**	**3.2100e-003**		**0.0878**	**0.0878**		**0.0828**	**0.0828**	**0.0000**	**274.3898**	**274.3898**	**0.0672**	**0.0000**	**276.0703**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5700e-003	0.2521	0.0836	9.6000e-004	0.0309	2.2900e-003	0.0332	8.9200e-003	2.1900e-003	0.0111	0.0000	93.6171	93.6171	3.1200e-003	0.0135	97.7195
Worker	0.0431	0.0359	0.4664	1.2400e-003	0.1379	9.0000e-004	0.1388	0.0366	8.3000e-004	0.0374	0.0000	113.3761	113.3761	3.2500e-003	3.1000e-003	114.3809
Total	**0.0527**	**0.2880**	**0.5500**	**2.2000e-003**	**0.1688**	**3.1900e-003**	**0.1719**	**0.0455**	**3.0200e-003**	**0.0486**	**0.0000**	**206.9933**	**206.9933**	**6.3700e-003**	**0.0166**	**212.1003**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2001	1.7899	1.9724	3.2100e-003		0.0878	0.0878		0.0828	0.0828	0.0000	274.3894	274.3894	0.0672	0.0000	276.0700
Total	**0.2001**	**1.7899**	**1.9724**	**3.2100e-003**		**0.0878**	**0.0878**		**0.0828**	**0.0828**	**0.0000**	**274.3894**	**274.3894**	**0.0672**	**0.0000**	**276.0700**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5700e-003	0.2521	0.0836	9.6000e-004	0.0134	2.2900e-003	0.0157	4.6300e-003	2.1900e-003	6.8200e-003	0.0000	93.6171	93.6171	3.1200e-003	0.0135	97.7195
Worker	0.0431	0.0359	0.4664	1.2400e-003	0.0423	9.0000e-004	0.0432	0.0132	8.3000e-004	0.0140	0.0000	113.3761	113.3761	3.2500e-003	3.1000e-003	114.3809
Total	**0.0527**	**0.2880**	**0.5500**	**2.2000e-003**	**0.0557**	**3.1900e-003**	**0.0589**	**0.0178**	**3.0200e-003**	**0.0208**	**0.0000**	**206.9933**	**206.9933**	**6.3700e-003**	**0.0166**	**212.1003**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3874					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.3933**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

3.4 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.6600e-003	0.0215	6.0000e-005	6.3600e-003	4.0000e-005	6.4000e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.2317	5.2317	1.5000e-004	1.4000e-004	5.2781
Total	**1.9900e-003**	**1.6600e-003**	**0.0215**	**6.0000e-005**	**6.3600e-003**	**4.0000e-005**	**6.4000e-003**	**1.6900e-003**	**4.0000e-005**	**1.7300e-003**	**0.0000**	**5.2317**	**5.2317**	**1.5000e-004**	**1.4000e-004**	**5.2781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3874					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8600e-003	0.0404	0.0520	9.0000e-005		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	7.3193	7.3193	4.8000e-004	0.0000	7.3312
Total	**0.3933**	**0.0404**	**0.0520**	**9.0000e-005**		**2.3400e-003**	**2.3400e-003**		**2.3400e-003**	**2.3400e-003**	**0.0000**	**7.3193**	**7.3193**	**4.8000e-004**	**0.0000**	**7.3312**

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

3.4 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.6600e-003	0.0215	6.0000e-005	1.9500e-003	4.0000e-005	1.9900e-003	6.1000e-004	4.0000e-005	6.5000e-004	0.0000	5.2317	5.2317	1.5000e-004	1.4000e-004	5.2781
Total	**1.9900e-003**	**1.6600e-003**	**0.0215**	**6.0000e-005**	**1.9500e-003**	**4.0000e-005**	**1.9900e-003**	**6.1000e-004**	**4.0000e-005**	**6.5000e-004**	**0.0000**	**5.2317**	**5.2317**	**1.5000e-004**	**1.4000e-004**	**5.2781**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7942
Paving	5.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7942**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0667	0.0848	1.4000e-004		3.3400e-003	3.3400e-003		3.0900e-003	3.0900e-003	0.0000	11.7033	11.7033	3.6300e-003	0.0000	11.7941
Paving	5.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0667**	**0.0848**	**1.4000e-004**		**3.3400e-003**	**3.3400e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**11.7033**	**11.7033**	**3.6300e-003**	**0.0000**	**11.7941**

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

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	4.1000e-004	5.3000e-003	1.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.2888	1.2888	4.0000e-005	4.0000e-005	1.3002
Total	**4.9000e-004**	**4.1000e-004**	**5.3000e-003**	**1.0000e-005**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.2888**	**1.2888**	**4.0000e-005**	**4.0000e-005**	**1.3002**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7053	0.9035	8.1406	0.0183	1.8985	0.0132	1.9117	0.5065	0.0123	0.5187	0.0000	1,692.2655	1,692.2655	0.1082	0.0704	1,715.9364
Unmitigated	0.7053	0.9035	8.1406	0.0183	1.8985	0.0132	1.9117	0.5065	0.0123	0.5187	0.0000	1,692.2655	1,692.2655	0.1082	0.0704	1,715.9364

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	1,064.45	1,064.45	1064.45	5,053,624	5,053,624
Parking Lot	0.00	0.00	0.00		
Total	1,064.45	1,064.45	1,064.45	5,053,624	5,053,624

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	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
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

5.0 Energy Detail

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

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	635.1076	635.1076	0.0303	3.6700e-003	636.9588
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	635.1076	635.1076	0.0303	3.6700e-003	636.9588
NaturalGas Mitigated	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190
NaturalGas Unmitigated	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	1.62104e+006	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**8.7400e-003**	**0.0795**	**0.0668**	**4.8000e-004**		**6.0400e-003**	**6.0400e-003**		**6.0400e-003**	**6.0400e-003**	**0.0000**	**86.5049**	**86.5049**	**1.6600e-003**	**1.5900e-003**	**87.0190**

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					
Industrial Park	1.62104e+006	8.7400e-003	0.0795	0.0668	4.8000e-004		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	86.5049	86.5049	1.6600e-003	1.5900e-003	87.0190
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**8.7400e-003**	**0.0795**	**0.0668**	**4.8000e-004**		**6.0400e-003**	**6.0400e-003**		**6.0400e-003**	**6.0400e-003**	**0.0000**	**86.5049**	**86.5049**	**1.6600e-003**	**1.5900e-003**	**87.0190**

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.96538e+006	616.8857	0.0294	3.5700e-003	618.6838
Parking Lot	58054.1	18.2219	8.7000e-004	1.1000e-004	18.2750
Total		**635.1076**	**0.0303**	**3.6800e-003**	**636.9588**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.96538e+006	616.8857	0.0294	3.5700e-003	618.6838
Parking Lot	58054.1	18.2219	8.7000e-004	1.1000e-004	18.2750
Total		**635.1076**	**0.0303**	**3.6800e-003**	**636.9588**

6.0 Area Detail

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Unmitigated	0.6178	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-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	tons/yr										MT/yr					
Architectural Coating	0.0387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5789					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Total	**0.6178**	**2.0000e-005**	**2.0600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.0000e-003**	**4.0000e-003**	**1.0000e-005**	**0.0000**	**4.2600e-003**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5789					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0000e-003	4.0000e-003	1.0000e-005	0.0000	4.2600e-003
Total	**0.6178**	**2.0000e-005**	**2.0600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.0000e-003**	**4.0000e-003**	**1.0000e-005**	**0.0000**	**4.2600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	160.1359	1.1919	0.0288	198.5249
Unmitigated	160.1359	1.1919	0.0288	198.5249

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	36.3594 / 0	160.1359	1.1919	0.0288	198.5249
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**160.1359**	**1.1919**	**0.0288**	**198.5249**

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	36.3594 / 0	160.1359	1.1919	0.0288	198.5249
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**160.1359**	**1.1919**	**0.0288**	**198.5249**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.5772	2.3389	0.0000	98.0507
Unmitigated	39.5772	2.3389	0.0000	98.0507

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	194.97	39.5772	2.3389	0.0000	98.0507
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**39.5772**	**2.3389**	**0.0000**	**98.0507**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	194.97	39.5772	2.3389	0.0000	98.0507
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**39.5772**	**2.3389**	**0.0000**	**98.0507**

9.0 Operational Offroad

Option A: Building 3 - Los Angeles-South Coast County, Annual

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

Equipment Type	Number	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

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

Option A: Building 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
Industrial Park	157.23	1000sqft	3.49	157,230.00	0
Parking Lot	3.82	Acre	3.82	165,869.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope architectural coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option A.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	185.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	14.62
tblLandUse	LandUseSquareFeet	166,399.20	165,869.00
tblLandUse	LotAcreage	3.61	3.49
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	22.2566	30.3342	39.2694	0.0795	2.3068	1.3990	3.7057	0.6195	1.3202	1.9397	0.0000	7,752.2266	7,752.2266	1.2765	0.2048	7,845.1633
Maximum	**22.2566**	**30.3342**	**39.2694**	**0.0795**	**2.3068**	**1.3990**	**3.7057**	**0.6195**	**1.3202**	**1.9397**	**0.0000**	**7,752.2266**	**7,752.2266**	**1.2765**	**0.2048**	**7,845.1633**

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					
2022	22.2566	30.3342	39.2694	0.0795	0.7451	1.3990	2.1441	0.2362	1.3202	1.5564	0.0000	7,752.2266	7,752.2266	1.2765	0.2048	7,845.1633
Maximum	**22.2566**	**30.3342**	**39.2694**	**0.0795**	**0.7451**	**1.3990**	**2.1441**	**0.2362**	**1.3202**	**1.5564**	**0.0000**	**7,752.2266**	**7,752.2266**	**1.2765**	**0.2048**	**7,845.1633**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	67.70	0.00	42.14	61.88	0.00	19.76	0.00	0.00	0.00	0.00	0.00	0.00

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	3.9809	4.5191	45.7573	0.1040	10.6387	0.0728	10.7114	2.8337	0.0676	2.9012		10,595.1306	10,595.1306	0.6446	0.4049	10,731.9062
Total	**7.4145**	**4.9546**	**46.1395**	**0.1066**	**10.6387**	**0.1059**	**10.7446**	**2.8337**	**0.1007**	**2.9344**		**11,117.6610**	**11,117.6610**	**0.6547**	**0.4145**	**11,257.5439**

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	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	3.9809	4.5191	45.7573	0.1040	10.6387	0.0728	10.7114	2.8337	0.0676	2.9012		10,595.1306	10,595.1306	0.6446	0.4049	10,731.9062
Total	**7.4145**	**4.9546**	**46.1395**	**0.1066**	**10.6387**	**0.1059**	**10.7446**	**2.8337**	**0.1007**	**2.9344**		**11,117.6610**	**11,117.6610**	**0.6547**	**0.4145**	**11,257.5439**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2022	4/15/2022	5	11	
2	Building Construction	Building Construction	4/18/2022	12/30/2022	5	185	
3	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	
4	Paving	Paving	11/1/2022	11/30/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.62

Acres of Paving: 3.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,845; Non-Residential Outdoor: 78,615; Striped Parking Area: 9,952 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	2	8.00	63	0.31

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	136.00	53.00	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	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4095	0.0000	1.4095	0.1522	0.0000	0.1522			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817		3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**1.4095**	**0.8497**	**2.2592**	**0.1522**	**0.7817**	**0.9339**		**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5497	0.0000	0.5497	0.0594	0.0000	0.0594			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817	0.0000	3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.5497**	**0.8497**	**1.3994**	**0.0594**	**0.7817**	**0.8410**	**0.0000**	**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0623	0.0455	0.7085	1.8400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		186.0196	186.0196	5.0700e-003	4.5000e-003	187.4885
Total	**0.0623**	**0.0455**	**0.7085**	**1.8400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**186.0196**	**186.0196**	**5.0700e-003**	**4.5000e-003**	**187.4885**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1635	19.3505	21.3230	0.0347		0.9492	0.9492		0.8953	0.8953		3,269.8694	3,269.8694	0.8011		3,289.8966
Total	**2.1635**	**19.3505**	**21.3230**	**0.0347**		**0.9492**	**0.9492**		**0.8953**	**0.8953**		**3,269.8694**	**3,269.8694**	**0.8011**		**3,289.8966**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1043	2.5962	0.8901	0.0104	0.3395	0.0247	0.3642	0.0978	0.0237	0.1214		1,115.4465	1,115.4465	0.0373	0.1607	1,164.2782
Worker	0.4705	0.3435	5.3527	0.0139	1.5202	9.7300e-003	1.5299	0.4032	8.9500e-003	0.4121		1,405.4810	1,405.4810	0.0383	0.0340	1,416.5796
Total	**0.5748**	**2.9397**	**6.2428**	**0.0243**	**1.8596**	**0.0345**	**1.8941**	**0.5009**	**0.0326**	**0.5335**		**2,520.9275**	**2,520.9275**	**0.0756**	**0.1948**	**2,580.8578**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1635	19.3505	21.3230	0.0347		0.9492	0.9492		0.8953	0.8953	0.0000	3,269.8694	3,269.8694	0.8011		3,289.8966
Total	**2.1635**	**19.3505**	**21.3230**	**0.0347**		**0.9492**	**0.9492**		**0.8953**	**0.8953**	**0.0000**	**3,269.8694**	**3,269.8694**	**0.8011**		**3,289.8966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1043	2.5962	0.8901	0.0104	0.1461	0.0247	0.1708	0.0503	0.0237	0.0739		1,115.4465	1,115.4465	0.0373	0.1607	1,164.2782
Worker	0.4705	0.3435	5.3527	0.0139	0.4629	9.7300e-003	0.4726	0.1436	8.9500e-003	0.1526		1,405.4810	1,405.4810	0.0383	0.0340	1,416.5796
Total	**0.5748**	**2.9397**	**6.2428**	**0.0243**	**0.6090**	**0.0345**	**0.6434**	**0.1939**	**0.0326**	**0.2265**		**2,520.9275**	**2,520.9275**	**0.0756**	**0.1948**	**2,580.8578**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0934	0.0682	1.0627	2.7600e-003	0.3018	1.9300e-003	0.3037	0.0800	1.7800e-003	0.0818		279.0293	279.0293	7.6000e-003	6.7600e-003	281.2327
Total	**0.0934**	**0.0682**	**1.0627**	**2.7600e-003**	**0.3018**	**1.9300e-003**	**0.3037**	**0.0800**	**1.7800e-003**	**0.0818**		**279.0293**	**279.0293**	**7.6000e-003**	**6.7600e-003**	**281.2327**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.4 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0934	0.0682	1.0627	2.7600e-003	0.0919	1.9300e-003	0.0938	0.0285	1.7800e-003	0.0303		279.0293	279.0293	7.6000e-003	6.7600e-003	281.2327
Total	**0.0934**	**0.0682**	**1.0627**	**2.7600e-003**	**0.0919**	**1.9300e-003**	**0.0938**	**0.0285**	**1.7800e-003**	**0.0303**		**279.0293**	**279.0293**	**7.6000e-003**	**6.7600e-003**	**281.2327**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.9809	4.5191	45.7573	0.1040	10.6387	0.0728	10.7114	2.8337	0.0676	2.9012		10,595.1306	10,595.1306	0.6446	0.4049	10,731.9062
Unmitigated	3.9809	4.5191	45.7573	0.1040	10.6387	0.0728	10.7114	2.8337	0.0676	2.9012		10,595.1306	10,595.1306	0.6446	0.4049	10,731.9062

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	1,064.45	1,064.45	1064.45	5,053,624	5,053,624
Parking Lot	0.00	0.00	0.00		
Total	1,064.45	1,064.45	1,064.45	5,053,624	5,053,624

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
NaturalGas Unmitigated	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	4441.21	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

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					
Industrial Park	4.44121	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

6.0 Area Detail

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Unmitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376

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	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 3 - Los Angeles-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

Option A: Building 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
Industrial Park	157.23	1000sqft	3.49	157,230.00	0
Parking Lot	3.82	Acre	3.82	165,869.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info.

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Grading - Applicant info.

Architectural Coating - Building envelope architectural coating VOC content per SCAQMD Rule 1113.

Vehicle Trips - Trip rate based on Project's 273,500 sqft building area and VMT calculator's estimated 1,852 daily vehicle trips for Option A.

Area Coating - VOC content per SCAQMD Rule 1113.

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiency for trackout PM reduction.

Area Mitigation - Per 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
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	185.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	22.00
tblGrading	AcresOfGrading	11.00	14.62
tblLandUse	LandUseSquareFeet	166,399.20	165,869.00
tblLandUse	LotAcreage	3.61	3.49
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	ST_TR	2.54	6.77
tblVehicleTrips	SU_TR	1.24	6.77

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

tblVehicleTrips	WD_TR	3.37	6.77

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	22.2984	30.4879	38.7332	0.0785	2.3068	1.3991	3.7058	0.6195	1.3203	1.9398	0.0000	7,656.4815	7,656.4815	1.2770	0.2080	7,750.3913
Maximum	**22.2984**	**30.4879**	**38.7332**	**0.0785**	**2.3068**	**1.3991**	**3.7058**	**0.6195**	**1.3203**	**1.9398**	**0.0000**	**7,656.4815**	**7,656.4815**	**1.2770**	**0.2080**	**7,750.3913**

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					
2022	22.2984	30.4879	38.7332	0.0785	0.7451	1.3991	2.1442	0.2362	1.3203	1.5565	0.0000	7,656.4815	7,656.4815	1.2770	0.2080	7,750.3913
Maximum	**22.2984**	**30.4879**	**38.7332**	**0.0785**	**0.7451**	**1.3991**	**2.1442**	**0.2362**	**1.3203**	**1.5565**	**0.0000**	**7,656.4815**	**7,656.4815**	**1.2770**	**0.2080**	**7,750.3913**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	67.70	0.00	42.14	61.88	0.00	19.76	0.00	0.00	0.00	0.00	0.00	0.00

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	3.9287	4.8832	44.2059	0.0995	10.6387	0.0728	10.7115	2.8337	0.0676	2.9013		10,139.6246	10,139.6246	0.6576	0.4227	10,282.0405
Total	**7.3623**	**5.3187**	**44.5880**	**0.1021**	**10.6387**	**0.1059**	**10.7446**	**2.8337**	**0.1007**	**2.9344**		**10,662.1551**	**10,662.1551**	**0.6677**	**0.4323**	**10,807.6781**

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	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Energy	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Mobile	3.9287	4.8832	44.2059	0.0995	10.6387	0.0728	10.7115	2.8337	0.0676	2.9013		10,139.6246	10,139.6246	0.6576	0.4227	10,282.0405
Total	**7.3623**	**5.3187**	**44.5880**	**0.1021**	**10.6387**	**0.1059**	**10.7446**	**2.8337**	**0.1007**	**2.9344**		**10,662.1551**	**10,662.1551**	**0.6677**	**0.4323**	**10,807.6781**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2022	4/15/2022	5	11	
2	Building Construction	Building Construction	4/18/2022	12/30/2022	5	185	
3	Architectural Coating	Architectural Coating	10/3/2022	11/30/2022	5	43	
4	Paving	Paving	11/1/2022	11/30/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.62

Acres of Paving: 3.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,845; Non-Residential Outdoor: 78,615; Striped Parking Area: 9,952 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Aerial Lifts	2	8.00	63	0.31

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	2	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	136.00	53.00	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	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4095	0.0000	1.4095	0.1522	0.0000	0.1522			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817		3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**1.4095**	**0.8497**	**2.2592**	**0.1522**	**0.7817**	**0.9339**		**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5497	0.0000	0.5497	0.0594	0.0000	0.0594			0.0000			0.0000
Off-Road	1.7697	19.7952	15.8659	0.0316		0.8497	0.8497		0.7817	0.7817	0.0000	3,058.1472	3,058.1472	0.9891		3,082.8739
Total	**1.7697**	**19.7952**	**15.8659**	**0.0316**	**0.5497**	**0.8497**	**1.3994**	**0.0594**	**0.7817**	**0.8410**	**0.0000**	**3,058.1472**	**3,058.1472**	**0.9891**		**3,082.8739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0667	0.0502	0.6505	1.7400e-003	0.0613	1.2900e-003	0.0626	0.0190	1.1900e-003	0.0202		176.1846	176.1846	5.1300e-003	4.8100e-003	177.7470
Total	**0.0667**	**0.0502**	**0.6505**	**1.7400e-003**	**0.0613**	**1.2900e-003**	**0.0626**	**0.0190**	**1.1900e-003**	**0.0202**		**176.1846**	**176.1846**	**5.1300e-003**	**4.8100e-003**	**177.7470**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1635	19.3505	21.3230	0.0347		0.9492	0.9492		0.8953	0.8953		3,269.8694	3,269.8694	0.8011		3,289.8966
Total	**2.1635**	**19.3505**	**21.3230**	**0.0347**		**0.9492**	**0.9492**		**0.8953**	**0.8953**		**3,269.8694**	**3,269.8694**	**0.8011**		**3,289.8966**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1030	2.7032	0.9209	0.0104	0.3395	0.0248	0.3643	0.0978	0.0237	0.1215		1,115.8655	1,115.8655	0.0372	0.1609	1,164.7561
Worker	0.5037	0.3796	4.9146	0.0132	1.5202	9.7300e-003	1.5299	0.4032	8.9500e-003	0.4121		1,331.1723	1,331.1723	0.0388	0.0364	1,342.9775
Total	**0.6068**	**3.0828**	**5.8355**	**0.0236**	**1.8596**	**0.0346**	**1.8942**	**0.5009**	**0.0327**	**0.5336**		**2,447.0378**	**2,447.0378**	**0.0759**	**0.1973**	**2,507.7335**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1635	19.3505	21.3230	0.0347		0.9492	0.9492		0.8953	0.8953	0.0000	3,269.8694	3,269.8694	0.8011		3,289.8966
Total	**2.1635**	**19.3505**	**21.3230**	**0.0347**		**0.9492**	**0.9492**		**0.8953**	**0.8953**	**0.0000**	**3,269.8694**	**3,269.8694**	**0.8011**		**3,289.8966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1030	2.7032	0.9209	0.0104	0.1461	0.0248	0.1709	0.0503	0.0237	0.0740		1,115.8655	1,115.8655	0.0372	0.1609	1,164.7561
Worker	0.5037	0.3796	4.9146	0.0132	0.4629	9.7300e-003	0.4726	0.1436	8.9500e-003	0.1526		1,331.1723	1,331.1723	0.0388	0.0364	1,342.9775
Total	**0.6068**	**3.0828**	**5.8355**	**0.0236**	**0.6090**	**0.0346**	**0.6435**	**0.1939**	**0.0327**	**0.2266**		**2,447.0378**	**2,447.0378**	**0.0759**	**0.1973**	**2,507.7335**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1000	0.0754	0.9757	2.6100e-003	0.3018	1.9300e-003	0.3037	0.0800	1.7800e-003	0.0818		264.2769	264.2769	7.6900e-003	7.2200e-003	266.6205
Total	**0.1000**	**0.0754**	**0.9757**	**2.6100e-003**	**0.3018**	**1.9300e-003**	**0.3037**	**0.0800**	**1.7800e-003**	**0.0818**		**264.2769**	**264.2769**	**7.6900e-003**	**7.2200e-003**	**266.6205**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.4 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.0207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**18.2934**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1000	0.0754	0.9757	2.6100e-003	0.0919	1.9300e-003	0.0938	0.0285	1.7800e-003	0.0303		264.2769	264.2769	7.6900e-003	7.2200e-003	266.6205
Total	**0.1000**	**0.0754**	**0.9757**	**2.6100e-003**	**0.0919**	**1.9300e-003**	**0.0938**	**0.0285**	**1.7800e-003**	**0.0303**		**264.2769**	**264.2769**	**7.6900e-003**	**7.2200e-003**	**266.6205**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808		1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**		**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6316	6.0650	7.7112	0.0124		0.3035	0.3035		0.2808	0.2808	0.0000	1,172.7889	1,172.7889	0.3642		1,181.8929
Paving	0.4549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0866**	**6.0650**	**7.7112**	**0.0124**		**0.3035**	**0.3035**		**0.2808**	**0.2808**	**0.0000**	**1,172.7889**	**1,172.7889**	**0.3642**		**1,181.8929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.0443	9.3000e-004	0.0452	0.0137	8.6000e-004	0.0146		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.0443**	**9.3000e-004**	**0.0452**	**0.0137**	**8.6000e-004**	**0.0146**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.9287	4.8832	44.2059	0.0995	10.6387	0.0728	10.7115	2.8337	0.0676	2.9013		10,139.6246	10,139.6246	0.6576	0.4227	10,282.0405
Unmitigated	3.9287	4.8832	44.2059	0.0995	10.6387	0.0728	10.7115	2.8337	0.0676	2.9013		10,139.6246	10,139.6246	0.6576	0.4227	10,282.0405

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	1,064.45	1,064.45	1064.45	5,053,624	5,053,624
Parking Lot	0.00	0.00	0.00		
Total	1,064.45	1,064.45	1,064.45	5,053,624	5,053,624

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374
Parking Lot	0.544785	0.062844	0.187478	0.127235	0.023089	0.006083	0.010475	0.008012	0.000925	0.000611	0.024394	0.000698	0.003374

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	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
NaturalGas Unmitigated	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	4441.21	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

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					
Industrial Park	4.44121	0.0479	0.4354	0.3658	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.4952	522.4952	0.0100	9.5800e-003	525.6001
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0479**	**0.4354**	**0.3658**	**2.6100e-003**		**0.0331**	**0.0331**		**0.0331**	**0.0331**		**522.4952**	**522.4952**	**0.0100**	**9.5800e-003**	**525.6001**

6.0 Area Detail

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Unmitigated	3.3857	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376

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	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

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	0.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1719					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0353	0.0353	9.0000e-005		0.0376
Total	**3.3857**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0353**	**0.0353**	**9.0000e-005**		**0.0376**

7.0 Water Detail

7.1 Mitigation Measures Water

Option A: Building 3 - Los Angeles-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Annual

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

Winnetka Project - Existing Uses

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Movie Theater (No Matinee)	3,666.00	Seat	2.88	125,524.00	0
Health Club	3.42	1000sqft	0.08	3,415.00	0
Fast Food Restaurant w/o Drive Thru	3.46	1000sqft	0.08	3,464.00	0
Parking Lot	11.57	Acre	11.57	503,989.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing scenario - no construction

Land Use - Applicant info.

Construction Phase - No construction - existing scenario only.

Off-road Equipment - No construction - existing scenario only.

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	12/29/2021	12/2/2021

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

tblLandUse	LandUseSquareFeet	82,485.00	125,524.00
tblLandUse	LotAcreage	1.89	2.88
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

2.0 Emissions Summary

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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

		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5838	4.3000e-004	0.0472	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0914	0.0914	2.4000e-004	0.0000	0.0975
Energy	0.0168	0.1526	0.1282	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	708.0815	708.0815	0.0290	6.1800e-003	710.6485
Mobile	3.9414	4.6616	35.9605	0.0675	6.4430	0.0703	6.5133	1.7189	0.0657	1.7846	0.0000	6,244.3640	6,244.3640	0.5108	0.3162	6,351.3694
Waste						0.0000	0.0000		0.0000	0.0000	12.0475	0.0000	12.0475	0.7120	0.0000	29.8472
Water						0.0000	0.0000		0.0000	0.0000	10.9067	148.5444	159.4512	1.1273	0.0273	195.7722
Total	**4.5420**	**4.8147**	**36.1359**	**0.0685**	**6.4430**	**0.0821**	**6.5251**	**1.7189**	**0.0775**	**1.7964**	**22.9543**	**7,101.0813**	**7,124.0356**	**2.3793**	**0.3497**	**7,287.7349**

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5838	4.3000e-004	0.0472	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0914	0.0914	2.4000e-004	0.0000	0.0975
Energy	0.0168	0.1526	0.1282	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	708.0815	708.0815	0.0290	6.1800e-003	710.6485
Mobile	3.9414	4.6616	35.9605	0.0675	6.4430	0.0703	6.5133	1.7189	0.0657	1.7846	0.0000	6,244.3640	6,244.3640	0.5108	0.3162	6,351.3694
Waste						0.0000	0.0000		0.0000	0.0000	12.0475	0.0000	12.0475	0.7120	0.0000	29.8472
Water						0.0000	0.0000		0.0000	0.0000	10.9067	148.5444	159.4512	1.1273	0.0273	195.7722
Total	**4.5420**	**4.8147**	**36.1359**	**0.0685**	**6.4430**	**0.0821**	**6.5251**	**1.7189**	**0.0775**	**1.7964**	**22.9543**	**7,101.0813**	**7,124.0356**	**2.3793**	**0.3497**	**7,287.7349**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/2/2021	12/2/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 11.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

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

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

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

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	3.9414	4.6616	35.9605	0.0675	6.4430	0.0703	6.5133	1.7189	0.0657	1.7846	0.0000	6,244.3640	6,244.3640	0.5108	0.3162	6,351.3694
Unmitigated	3.9414	4.6616	35.9605	0.0675	6.4430	0.0703	6.5133	1.7189	0.0657	1.7846	0.0000	6,244.3640	6,244.3640	0.5108	0.3162	6,351.3694

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	1,199.34	2,410.94	1732.00	2,623,335	2,623,335
Health Club	112.46	71.27	91.28	221,465	221,465
Movie Theater (No Matinee)	6,452.16	8,211.84	6782.10	14,304,803	14,304,803
Parking Lot	0.00	0.00	0.00		
Total	7,763.96	10,694.06	8,605.38	17,149,602	17,149,602

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Movie Theater (No Matinee)	16.60	8.40	6.90	1.80	79.20	19.00	66	17	17
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant w/o Drive Thru	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Health Club	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Movie Theater (No Matinee)	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Parking Lot	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425

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	541.9275	541.9275	0.0258	3.1300e-003	543.5072
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	541.9275	541.9275	0.0258	3.1300e-003	543.5072
NaturalGas Mitigated	0.0168	0.1526	0.1282	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	166.1540	166.1540	3.1800e-003	3.0500e-003	167.1413
NaturalGas Unmitigated	0.0168	0.1526	0.1282	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	166.1540	166.1540	3.1800e-003	3.0500e-003	167.1413

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	797863	4.3000e-003	0.0391	0.0329	2.3000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	42.5770	42.5770	8.2000e-004	7.8000e-004	42.8300
Health Club	61333.4	3.3000e-004	3.0100e-003	2.5300e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2730	3.2730	6.0000e-005	6.0000e-005	3.2924
Movie Theater (No Matinee)	2.25441e+006	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	120.3040	120.3040	2.3100e-003	2.2100e-003	121.0189
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0168**	**0.1526**	**0.1282**	**9.1000e-004**		**0.0116**	**0.0116**		**0.0116**	**0.0116**	**0.0000**	**166.1540**	**166.1540**	**3.1900e-003**	**3.0500e-003**	**167.1413**

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	797863	4.3000e-003	0.0391	0.0329	2.3000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	42.5770	42.5770	8.2000e-004	7.8000e-004	42.8300
Health Club	61333.4	3.3000e-004	3.0100e-003	2.5300e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2730	3.2730	6.0000e-005	6.0000e-005	3.2924
Movie Theater (No Matinee)	2.25441e+006	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	120.3040	120.3040	2.3100e-003	2.2100e-003	121.0189
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0168**	**0.1526**	**0.1282**	**9.1000e-004**		**0.0116**	**0.0116**		**0.0116**	**0.0116**	**0.0000**	**166.1540**	**166.1540**	**3.1900e-003**	**3.0500e-003**	**167.1413**

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant w/o Drive Thru	149887	47.0462	2.2400e-003	2.7000e-004	47.1833
Health Club	37086.9	11.6407	5.6000e-004	7.0000e-005	11.6747
Movie Theater (No Matinee)	1.36319e+006	427.8740	0.0204	2.4700e-003	429.1212
Parking Lot	176396	55.3667	2.6400e-003	3.2000e-004	55.5281
Total		**541.9275**	**0.0258**	**3.1300e-003**	**543.5072**

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant w/o Drive Thru	149887	47.0462	2.2400e-003	2.7000e-004	47.1833
Health Club	37086.9	11.6407	5.6000e-004	7.0000e-005	11.6747
Movie Theater (No Matinee)	1.36319e+006	427.8740	0.0204	2.4700e-003	429.1212
Parking Lot	176396	55.3667	2.6400e-003	3.2000e-004	55.5281
Total		**541.9275**	**0.0258**	**3.1300e-003**	**543.5072**

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5838	4.3000e-004	0.0472	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0914	0.0914	2.4000e-004	0.0000	0.0975
Unmitigated	0.5838	4.3000e-004	0.0472	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0914	0.0914	2.4000e-004	0.0000	0.0975

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	0.0684					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.4100e-003	4.3000e-004	0.0472	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0914	0.0914	2.4000e-004	0.0000	0.0975
Total	**0.5838**	**4.3000e-004**	**0.0472**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0914**	**0.0914**	**2.4000e-004**	**0.0000**	**0.0975**

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0684					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.4100e-003	4.3000e-004	0.0472	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0914	0.0914	2.4000e-004	0.0000	0.0975
Total	**0.5838**	**4.3000e-004**	**0.0472**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0914**	**0.0914**	**2.4000e-004**	**0.0000**	**0.0975**

7.0 Water Detail

7.1 Mitigation Measures Water

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	159.4512	1.1273	0.0273	195.7722
Unmitigated	159.4512	1.1273	0.0273	195.7722

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant w/o Drive Thru	1.05023 / 0.0670357	4.8592	0.0344	8.3000e-004	5.9688
Health Club	0.20227 / 0.123972	1.3232	6.6500e-003	1.6000e-004	1.5380
Movie Theater (No Matinee)	33.1261 / 2.11443	153.2688	1.0862	0.0263	188.2655
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**159.4512**	**1.1273**	**0.0273**	**195.7722**

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant w/o Drive Thru	1.05023 / 0.0670357	4.8592	0.0344	8.3000e-004	5.9688
Health Club	0.20227 / 0.123972	1.3232	6.6500e-003	1.6000e-004	1.5380
Movie Theater (No Matinee)	33.1261 / 2.11443	153.2688	1.0862	0.0263	188.2655
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**159.4512**	**1.1273**	**0.0273**	**195.7722**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.0475	0.7120	0.0000	29.8472
Unmitigated	12.0475	0.7120	0.0000	29.8472

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	39.86	8.0912	0.4782	0.0000	20.0457
Health Club	19.49	3.9563	0.2338	0.0000	9.8016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**12.0475**	**0.7120**	**0.0000**	**29.8472**

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	39.86	8.0912	0.4782	0.0000	20.0457
Health Club	19.49	3.9563	0.2338	0.0000	9.8016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**12.0475**	**0.7120**	**0.0000**	**29.8472**

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

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

11.0 Vegetation

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

Winnetka Project - Existing Uses

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Movie Theater (No Matinee)	3,666.00	Seat	2.88	125,524.00	0
Health Club	3.42	1000sqft	0.08	3,415.00	0
Fast Food Restaurant w/o Drive Thru	3.46	1000sqft	0.08	3,464.00	0
Parking Lot	11.57	Acre	11.57	503,989.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing scenario - no construction

Land Use - Applicant info.

Construction Phase - No construction - existing scenario only.

Off-road Equipment - No construction - existing scenario only.

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	12/29/2021	12/2/2021

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

tblLandUse	LandUseSquareFeet	82,485.00	125,524.00
tblLandUse	LotAcreage	1.89	2.88
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

2.0 Emissions Summary

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Energy	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440
Mobile	29.1863	30.2134	255.0915	0.4924	46.3334	0.4965	46.8299	12.3417	0.4642	12.8059		50,162.0246	50,162.0246	3.8421	2.3410	50,955.6849
Total	**32.4883**	**31.0532**	**256.1717**	**0.4974**	**46.3334**	**0.5614**	**46.8948**	**12.3417**	**0.5291**	**12.8708**		**51,166.4112**	**51,166.4112**	**3.8635**	**2.3594**	**51,966.0888**

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	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Energy	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440
Mobile	29.1863	30.2134	255.0915	0.4924	46.3334	0.4965	46.8299	12.3417	0.4642	12.8059		50,162.0246	50,162.0246	3.8421	2.3410	50,955.6849
Total	**32.4883**	**31.0532**	**256.1717**	**0.4974**	**46.3334**	**0.5614**	**46.8948**	**12.3417**	**0.5291**	**12.8708**		**51,166.4112**	**51,166.4112**	**3.8635**	**2.3594**	**51,966.0888**

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/2/2021	12/2/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 11.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

4.1 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	29.1863	30.2134	255.0915	0.4924	46.3334	0.4965	46.8299	12.3417	0.4642	12.8059		50,162.0246	50,162.0246	3.8421	2.3410	50,955.6849
Unmitigated	29.1863	30.2134	255.0915	0.4924	46.3334	0.4965	46.8299	12.3417	0.4642	12.8059		50,162.0246	50,162.0246	3.8421	2.3410	50,955.6849

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	1,199.34	2,410.94	1732.00	2,623,335	2,623,335
Health Club	112.46	71.27	91.28	221,465	221,465
Movie Theater (No Matinee)	6,452.16	8,211.84	6782.10	14,304,803	14,304,803
Parking Lot	0.00	0.00	0.00		
Total	7,763.96	10,694.06	8,605.38	17,149,602	17,149,602

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Movie Theater (No Matinee)	16.60	8.40	6.90	1.80	79.20	19.00	66	17	17
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant w/o Drive Thru	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Health Club	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Movie Theater (No Matinee)	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Parking Lot	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425

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	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440
NaturalGas Unmitigated	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	2185.93	0.0236	0.2143	0.1800	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.1678	257.1678	4.9300e-003	4.7100e-003	258.6960
Health Club	168.037	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7690	19.7690	3.8000e-004	3.6000e-004	19.8865
Movie Theater (No Matinee)	6176.47	0.0666	0.6055	0.5087	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.6434	726.6434	0.0139	0.0133	730.9614
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0920**	**0.8363**	**0.7025**	**5.0200e-003**		**0.0636**	**0.0636**		**0.0636**	**0.0636**		**1,003.5802**	**1,003.5802**	**0.0192**	**0.0184**	**1,009.5440**

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	2.18593	0.0236	0.2143	0.1800	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.1678	257.1678	4.9300e-003	4.7100e-003	258.6960
Health Club	0.168037	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7690	19.7690	3.8000e-004	3.6000e-004	19.8865
Movie Theater (No Matinee)	6.17647	0.0666	0.6055	0.5087	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.6434	726.6434	0.0139	0.0133	730.9614
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0920**	**0.8363**	**0.7025**	**5.0200e-003**		**0.0636**	**0.0636**		**0.0636**	**0.0636**		**1,003.5802**	**1,003.5802**	**0.0192**	**0.0184**	**1,009.5440**

6.0 Area Detail

6.1 Mitigation Measures Area

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Unmitigated	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599

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	0.3747					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8001					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0353	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Total	**3.2100**	**3.4600e-003**	**0.3777**	**3.0000e-005**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**		**0.8064**	**0.8064**	**2.1400e-003**		**0.8599**

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3747					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8001					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0353	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Total	**3.2100**	**3.4600e-003**	**0.3777**	**3.0000e-005**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**		**0.8064**	**0.8064**	**2.1400e-003**		**0.8599**

7.0 Water Detail

7.1 Mitigation Measures Water

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

Winnetka Project - Existing Uses

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Movie Theater (No Matinee)	3,666.00	Seat	2.88	125,524.00	0
Health Club	3.42	1000sqft	0.08	3,415.00	0
Fast Food Restaurant w/o Drive Thru	3.46	1000sqft	0.08	3,464.00	0
Parking Lot	11.57	Acre	11.57	503,989.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing scenario - no construction

Land Use - Applicant info.

Construction Phase - No construction - existing scenario only.

Off-road Equipment - No construction - existing scenario only.

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	12/29/2021	12/2/2021

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

tblLandUse	LandUseSquareFeet	82,485.00	125,524.00
tblLandUse	LotAcreage	1.89	2.88
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

2.0 Emissions Summary

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Energy	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440
Mobile	28.5425	32.5122	252.3059	0.4713	46.3334	0.4971	46.8304	12.3417	0.4647	12.8064		48,031.3516	48,031.3516	4.0117	2.4533	48,862.7254
Total	**31.8445**	**33.3520**	**253.3861**	**0.4763**	**46.3334**	**0.5620**	**46.8953**	**12.3417**	**0.5296**	**12.8713**		**49,035.7382**	**49,035.7382**	**4.0330**	**2.4717**	**49,873.1292**

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	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Energy	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440
Mobile	28.5425	32.5122	252.3059	0.4713	46.3334	0.4971	46.8304	12.3417	0.4647	12.8064		48,031.3516	48,031.3516	4.0117	2.4533	48,862.7254
Total	**31.8445**	**33.3520**	**253.3861**	**0.4763**	**46.3334**	**0.5620**	**46.8953**	**12.3417**	**0.5296**	**12.8713**		**49,035.7382**	**49,035.7382**	**4.0330**	**2.4717**	**49,873.1292**

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/2/2021	12/2/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 11.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

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

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

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	28.5425	32.5122	252.3059	0.4713	46.3334	0.4971	46.8304	12.3417	0.4647	12.8064		48,031.3516	48,031.3516	4.0117	2.4533	48,862.7254
Unmitigated	28.5425	32.5122	252.3059	0.4713	46.3334	0.4971	46.8304	12.3417	0.4647	12.8064		48,031.3516	48,031.3516	4.0117	2.4533	48,862.7254

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	1,199.34	2,410.94	1732.00	2,623,335	2,623,335
Health Club	112.46	71.27	91.28	221,465	221,465
Movie Theater (No Matinee)	6,452.16	8,211.84	6782.10	14,304,803	14,304,803
Parking Lot	0.00	0.00	0.00		
Total	7,763.96	10,694.06	8,605.38	17,149,602	17,149,602

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Movie Theater (No Matinee)	16.60	8.40	6.90	1.80	79.20	19.00	66	17	17
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant w/o Drive Thru	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Health Club	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Movie Theater (No Matinee)	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
Parking Lot	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425

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	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440
NaturalGas Unmitigated	0.0920	0.8363	0.7025	5.0200e-003		0.0636	0.0636		0.0636	0.0636		1,003.5802	1,003.5802	0.0192	0.0184	1,009.5440

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	2185.93	0.0236	0.2143	0.1800	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.1678	257.1678	4.9300e-003	4.7100e-003	258.6960
Health Club	168.037	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7690	19.7690	3.8000e-004	3.6000e-004	19.8865
Movie Theater (No Matinee)	6176.47	0.0666	0.6055	0.5087	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.6434	726.6434	0.0139	0.0133	730.9614
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0920**	**0.8363**	**0.7025**	**5.0200e-003**		**0.0636**	**0.0636**		**0.0636**	**0.0636**		**1,003.5802**	**1,003.5802**	**0.0192**	**0.0184**	**1,009.5440**

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	2.18593	0.0236	0.2143	0.1800	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.1678	257.1678	4.9300e-003	4.7100e-003	258.6960
Health Club	0.168037	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7690	19.7690	3.8000e-004	3.6000e-004	19.8865
Movie Theater (No Matinee)	6.17647	0.0666	0.6055	0.5087	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.6434	726.6434	0.0139	0.0133	730.9614
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0920**	**0.8363**	**0.7025**	**5.0200e-003**		**0.0636**	**0.0636**		**0.0636**	**0.0636**		**1,003.5802**	**1,003.5802**	**0.0192**	**0.0184**	**1,009.5440**

6.0 Area Detail

6.1 Mitigation Measures Area

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Unmitigated	3.2100	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599

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	0.3747					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8001					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0353	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Total	**3.2100**	**3.4600e-003**	**0.3777**	**3.0000e-005**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**		**0.8064**	**0.8064**	**2.1400e-003**		**0.8599**

Winnetka Project - Existing Uses - Los Angeles-South Coast County, Winter

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

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	0.3747					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8001					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0353	3.4600e-003	0.3777	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003		0.8064	0.8064	2.1400e-003		0.8599
Total	**3.2100**	**3.4600e-003**	**0.3777**	**3.0000e-005**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**		**0.8064**	**0.8064**	**2.1400e-003**		**0.8599**

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation