

Appendix A-1

Air Quality, Greenhouse Gas Emission, and Energy Emissions
Modeling Inputs and Outputs

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project
San Bernardino-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Trips and VMT - Default values rounded up to the nearest even number to account for arriving and exiting trips each day.

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Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstructionPhase	NumDays	300.00	84.00
tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblTripsAndVMT	HaulingTripNumber	19.00	20.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	223.00	224.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.0 Emissions Summary****2.1 Overall Construction****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	0.4970	1.9976	2.0289	4.6400e-003	0.3892	0.0881	0.4773	0.1450	0.0821	0.2271	0.0000	415.8632	415.8632	0.0760	0.0132	421.7056
Maximum	0.4970	1.9976	2.0289	4.6400e-003	0.3892	0.0881	0.4773	0.1450	0.0821	0.2271	0.0000	415.8632	415.8632	0.0760	0.0132	421.7056

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	0.4970	1.9976	2.0289	4.6400e-003	0.2375	0.0881	0.3256	0.0797	0.0821	0.1617	0.0000	415.8629	415.8629	0.0760	0.0132	421.7053
Maximum	0.4970	1.9976	2.0289	4.6400e-003	0.2375	0.0881	0.3256	0.0797	0.0821	0.1617	0.0000	415.8629	415.8629	0.0760	0.0132	421.7053

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.99	0.00	31.79	45.08	0.00	28.79	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	2-1-2022	4-30-2022	1.1563	1.1563
2	5-1-2022	7-31-2022	0.7517	0.7517
3	8-1-2022	9-30-2022	0.4263	0.4263
		Highest	1.1563	1.1563

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Energy	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	202.5277	202.5277	0.0116	1.9300e-003	203.3942
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
Offroad	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Waste						0.0000	0.0000		0.0000	0.0000	58.6603	0.0000	58.6603	3.4667	0.0000	145.3285
Water						0.0000	0.0000		0.0000	0.0000	22.5546	214.1368	236.6913	2.3304	0.0564	311.7530
Total	1.7414	4.3969	5.2410	7.1300e-003	0.0000	0.2721	0.2721	0.0000	0.2506	0.2506	81.2149	1,027.7023	1,108.9172	6.0064	0.0583	1,276.4549

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Energy	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	202.5277	202.5277	0.0116	1.9300e-003	203.3942
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
Offroad	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Waste						0.0000	0.0000		0.0000	0.0000	58.6603	0.0000	58.6603	3.4667	0.0000	145.3285
Water						0.0000	0.0000		0.0000	0.0000	22.5546	214.1368	236.6913	2.3304	0.0564	311.7530
Total	1.7414	4.3969	5.2410	7.1300e-003	0.0000	0.2721	0.2721	0.0000	0.2506	0.2506	81.2149	1,027.7023	1,108.9172	6.0064	0.0583	1,276.4549

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	

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3	Grading	Grading	3/15/2022	4/25/2022	5	30
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84
5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

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Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**Water Exposed Area**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 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					0.0124	0.0000	0.0124	1.8800e-003	0.0000	1.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0124	0.0124	0.0248	1.8800e-003	0.0116	0.0134	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	8.2100e-003	2.0500e-003	3.0000e-005	9.8000e-004	8.0000e-005	1.0600e-003	2.7000e-004	8.0000e-005	3.5000e-004	0.0000	3.3129	3.3129	1.4000e-004	5.2000e-004	3.4728
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	5.6700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.3982	1.3982	4.0000e-005	4.0000e-005	1.4113
Total	8.1000e-004	8.6800e-003	7.7200e-003	5.0000e-005	2.7300e-003	9.0000e-005	2.8200e-003	7.4000e-004	9.0000e-005	8.2000e-004	0.0000	4.7111	4.7111	1.8000e-004	5.6000e-004	4.8841

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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 - 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					4.8300e-003	0.0000	4.8300e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	4.8300e-003	0.0124	0.0173	7.3000e-004	0.0116	0.0123	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	8.2100e-003	2.0500e-003	3.0000e-005	9.8000e-004	8.0000e-005	1.0600e-003	2.7000e-004	8.0000e-005	3.5000e-004	0.0000	3.3129	3.3129	1.4000e-004	5.2000e-004	3.4728
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	5.6700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.3982	1.3982	4.0000e-005	4.0000e-005	1.4113
Total	8.1000e-004	8.6800e-003	7.7200e-003	5.0000e-005	2.7300e-003	9.0000e-005	2.8200e-003	7.4000e-004	9.0000e-005	8.2000e-004	0.0000	4.7111	4.7111	1.8000e-004	5.6000e-004	4.8841

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0983	8.0600e-003	0.1064	0.0505	7.4200e-003	0.0579	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	3.1900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7865	0.7865	2.0000e-005	2.0000e-005	0.7938
Total	3.4000e-004	2.7000e-004	3.1900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7865	0.7865	2.0000e-005	2.0000e-005	0.7938

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 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					0.0383	0.0000	0.0383	0.0197	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0383	8.0600e-003	0.0464	0.0197	7.4200e-003	0.0271	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	3.1900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7865	0.7865	2.0000e-005	2.0000e-005	0.7938
Total	3.4000e-004	2.7000e-004	3.1900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7865	0.7865	2.0000e-005	2.0000e-005	0.7938

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633
Total	0.0544	0.5827	0.4356	9.3000e-004	0.1381	0.0245	0.1626	0.0548	0.0226	0.0774	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5812	0.5812	2.0000e-005	9.0000e-005	0.6093
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	8.9000e-004	0.0106	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.6216	2.6216	8.0000e-005	8.0000e-005	2.6461
Total	1.1700e-003	2.3300e-003	0.0110	4.0000e-005	3.4600e-003	3.0000e-005	3.5000e-003	9.2000e-004	3.0000e-005	9.5000e-004	0.0000	3.2028	3.2028	1.0000e-004	1.7000e-004	3.2554

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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					0.0538	0.0000	0.0538	0.0214	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632
Total	0.0544	0.5827	0.4356	9.3000e-004	0.0538	0.0245	0.0784	0.0214	0.0226	0.0439	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5812	0.5812	2.0000e-005	9.0000e-005	0.6093
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	8.9000e-004	0.0106	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.6216	2.6216	8.0000e-005	8.0000e-005	2.6461
Total	1.1700e-003	2.3300e-003	0.0110	4.0000e-005	3.4600e-003	3.0000e-005	3.5000e-003	9.2000e-004	3.0000e-005	9.5000e-004	0.0000	3.2028	3.2028	1.0000e-004	1.7000e-004	3.2554

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 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	0.0717	0.6559	0.6873	1.1300e-003		0.0340	0.0340		0.0320	0.0320	0.0000	97.3246	97.3246	0.0233	0.0000	97.9075
Total	0.0717	0.6559	0.6873	1.1300e-003		0.0340	0.0340		0.0320	0.0320	0.0000	97.3246	97.3246	0.0233	0.0000	97.9075

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-003	0.1702	0.0604	6.9000e-004	0.0233	1.9300e-003	0.0252	6.7300e-003	1.8400e-003	8.5700e-003	0.0000	67.1134	67.1134	1.8100e-003	9.9400e-003	70.1205
Worker	0.0355	0.0278	0.3334	9.0000e-004	0.1032	5.5000e-004	0.1037	0.0274	5.1000e-004	0.0279	0.0000	82.2142	82.2142	2.3600e-003	2.3800e-003	82.9817
Total	0.0418	0.1981	0.3937	1.5900e-003	0.1265	2.4800e-003	0.1290	0.0341	2.3500e-003	0.0365	0.0000	149.3275	149.3275	4.1700e-003	0.0123	153.1022

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 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					
Off-Road	0.0717	0.6559	0.6873	1.1300e-003		0.0340	0.0340		0.0320	0.0320	0.0000	97.3245	97.3245	0.0233	0.0000	97.9074
Total	0.0717	0.6559	0.6873	1.1300e-003		0.0340	0.0340		0.0320	0.0320	0.0000	97.3245	97.3245	0.0233	0.0000	97.9074

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-003	0.1702	0.0604	6.9000e-004	0.0233	1.9300e-003	0.0252	6.7300e-003	1.8400e-003	8.5700e-003	0.0000	67.1134	67.1134	1.8100e-003	9.9400e-003	70.1205
Worker	0.0355	0.0278	0.3334	9.0000e-004	0.1032	5.5000e-004	0.1037	0.0274	5.1000e-004	0.0279	0.0000	82.2142	82.2142	2.3600e-003	2.3800e-003	82.9817
Total	0.0418	0.1981	0.3937	1.5900e-003	0.1265	2.4800e-003	0.1290	0.0341	2.3500e-003	0.0365	0.0000	149.3275	149.3275	4.1700e-003	0.0123	153.1022

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	6.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0177	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	5.6700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.3982	1.3982	4.0000e-005	4.0000e-005	1.4113
Total	6.0000e-004	4.7000e-004	5.6700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.3982	1.3982	4.0000e-005	4.0000e-005	1.4113

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 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					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	6.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0177	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	5.6700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.3982	1.3982	4.0000e-005	4.0000e-005	1.4113
Total	6.0000e-004	4.7000e-004	5.6700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.3982	1.3982	4.0000e-005	4.0000e-005	1.4113

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 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	0.2626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	0.2646	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7300e-003	1.3600e-003	0.0163	4.0000e-005	5.0400e-003	3.0000e-005	5.0700e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	4.0198	4.0198	1.2000e-004	1.2000e-004	4.0574
Total	1.7300e-003	1.3600e-003	0.0163	4.0000e-005	5.0400e-003	3.0000e-005	5.0700e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	4.0198	4.0198	1.2000e-004	1.2000e-004	4.0574

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 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					
Archit. Coating	0.2626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	0.2646	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7300e-003	1.3600e-003	0.0163	4.0000e-005	5.0400e-003	3.0000e-005	5.0700e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	4.0198	4.0198	1.2000e-004	1.2000e-004	4.0574
Total	1.7300e-003	1.3600e-003	0.0163	4.0000e-005	5.0400e-003	3.0000e-005	5.0700e-003	1.3400e-003	2.0000e-005	1.3600e-003	0.0000	4.0198	4.0198	1.2000e-004	1.2000e-004	4.0574

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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 Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

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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
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

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	169.5525	169.5525	0.0110	1.3300e-003	170.2230
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	169.5525	169.5525	0.0110	1.3300e-003	170.2230
NaturalGas Mitigated	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
NaturalGas Unmitigated	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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 - Natural Gas****Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other 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
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
Unrefrigerated Warehouse-No Rail	617932	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
Total		3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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					
Other 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
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
Unrefrigerated Warehouse-No Rail	617932	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
Total		3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	19733	4.5647	3.0000e-004	4.0000e-005	4.5828
Unrefrigerated Warehouse-No Rail	713235	164.9878	0.0107	1.2900e-003	165.6403
Total		169.5525	0.0110	1.3300e-003	170.2230

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	19733	4.5647	3.0000e-004	4.0000e-005	4.5828
Unrefrigerated Warehouse-No Rail	713235	164.9878	0.0107	1.2900e-003	165.6403
Total		169.5525	0.0110	1.3300e-003	170.2230

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project - San Bernardino-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	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Unmitigated	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

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	0.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3000e-004	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Total	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

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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	0.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3000e-004	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Total	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

7.0 Water Detail**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	236.6913	2.3304	0.0564	311.7530
Unmitigated	236.6913	2.3304	0.0564	311.7530

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	71.0932 / 0	236.6913	2.3304	0.0564	311.7530
Total		236.6913	2.3304	0.0564	311.7530

6th and Victoria Warehouse Project - San Bernardino-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			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	71.0932 / 0	236.6913	2.3304	0.0564	311.7530
Total		236.6913	2.3304	0.0564	311.7530

8.0 Waste Detail**8.1 Mitigation Measures Waste**

6th and Victoria Warehouse Project - San Bernardino-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	58.6603	3.4667	0.0000	145.3285
Unmitigated	58.6603	3.4667	0.0000	145.3285

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	288.98	58.6603	3.4667	0.0000	145.3285
Total		58.6603	3.4667	0.0000	145.3285

6th and Victoria Warehouse Project - San Bernardino-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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	288.98	58.6603	3.4667	0.0000	145.3285
Total		58.6603	3.4667	0.0000	145.3285

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Total	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

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

6th and Victoria Warehouse Project
San Bernardino-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Trips and VMT - Default values rounded up to the nearest even number to account for arriving and exiting trips each day.

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

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

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstructionPhase	NumDays	300.00	84.00
tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblTripsAndVMT	HaulingTripNumber	19.00	20.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	223.00	224.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.0 Emissions Summary****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	26.6554	38.9880	29.8880	0.0665	19.8582	1.6370	21.4718	10.1558	1.5061	11.6404	0.0000	6,650.851 4	6,650.851 4	1.9515	0.3191	6,763.943 7
Maximum	26.6554	38.9880	29.8880	0.0665	19.8582	1.6370	21.4718	10.1558	1.5061	11.6404	0.0000	6,650.851 4	6,650.851 4	1.9515	0.3191	6,763.943 7

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	26.6554	38.9880	29.8880	0.0665	7.8674	1.6370	9.4811	3.9933	1.5061	5.4779	0.0000	6,650.851 4	6,650.851 4	1.9515	0.3191	6,763.943 7
Maximum	26.6554	38.9880	29.8880	0.0665	7.8674	1.6370	9.4811	3.9933	1.5061	5.4779	0.0000	6,650.851 4	6,650.851 4	1.9515	0.3191	6,763.943 7

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	60.38	0.00	55.84	60.68	0.00	52.94	0.00	0.00	0.00	0.00	0.00	0.00

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

6th and Victoria Warehouse Project - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
3	Grading	Grading	3/15/2022	4/25/2022	5	30	
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84	

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

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

5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

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

Architectural Coating	Air Compressors	1	6.00	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
Demolition	6	16.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**Water Exposed Area****3.2 Demolition - 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					1.2386	0.0000	1.2386	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.2386	1.2427	2.4812	0.1875	1.1553	1.3428		3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project - San Bernardino-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	0.0216	0.7769	0.2027	3.3500e-003	0.0998	8.1600e-003	0.1080	0.0274	7.8100e-003	0.0352		365.0651	365.0651	0.0156	0.0579	382.6955
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0677	0.0429	0.6582	1.6500e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		166.8509	166.8509	4.3700e-003	4.1800e-003	168.2054
Total	0.0893	0.8198	0.8609	5.0000e-003	0.2787	9.1000e-003	0.2878	0.0748	8.6700e-003	0.0835		531.9160	531.9160	0.0200	0.0620	550.9009

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4830	0.0000	0.4830	0.0731	0.0000	0.0731			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.4830	1.2427	1.7257	0.0731	1.1553	1.2284	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project - San Bernardino-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	0.0216	0.7769	0.2027	3.3500e-003	0.0998	8.1600e-003	0.1080	0.0274	7.8100e-003	0.0352		365.0651	365.0651	0.0156	0.0579	382.6955
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0677	0.0429	0.6582	1.6500e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		166.8509	166.8509	4.3700e-003	4.1800e-003	168.2054
Total	0.0893	0.8198	0.8609	5.0000e-003	0.2787	9.1000e-003	0.2878	0.0748	8.6700e-003	0.0835		531.9160	531.9160	0.0200	0.0620	550.9009

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0762	0.0483	0.7405	1.8600e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		187.7072	187.7072	4.9100e-003	4.7000e-003	189.2310
Total	0.0762	0.0483	0.7405	1.8600e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		187.7072	187.7072	4.9100e-003	4.7000e-003	189.2310

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0762	0.0483	0.7405	1.8600e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		187.7072	187.7072	4.9100e-003	4.7000e-003	189.2310
Total	0.0762	0.0483	0.7405	1.8600e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		187.7072	187.7072	4.9100e-003	4.7000e-003	189.2310

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	2.5200e-003	0.0909	0.0237	3.9000e-004	0.0117	9.5000e-004	0.0126	3.2000e-003	9.1000e-004	4.1100e-003		42.6977	42.6977	1.8300e-003	6.7700e-003	44.7597
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0847	0.0536	0.8228	2.0600e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		208.5636	208.5636	5.4600e-003	5.2200e-003	210.2567
Total	0.0872	0.1445	0.8465	2.4500e-003	0.2352	2.1200e-003	0.2374	0.0625	1.9900e-003	0.0645		251.2613	251.2613	7.2900e-003	0.0120	255.0164

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	2.5200e-003	0.0909	0.0237	3.9000e-004	0.0117	9.5000e-004	0.0126	3.2000e-003	9.1000e-004	4.1100e-003		42.6977	42.6977	1.8300e-003	6.7700e-003	44.7597
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0847	0.0536	0.8228	2.0600e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		208.5636	208.5636	5.4600e-003	5.2200e-003	210.2567
Total	0.0872	0.1445	0.8465	2.4500e-003	0.2352	2.1200e-003	0.2374	0.0625	1.9900e-003	0.0645		251.2613	251.2613	7.2900e-003	0.0120	255.0164

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project - San Bernardino-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 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1534	3.8535	1.4142	0.0164	0.5638	0.0459	0.6097	0.1624	0.0439	0.2062		1,760.605 7	1,760.605 7	0.0476	0.2605	1,839.436 3
Worker	0.9484	0.6006	9.2150	0.0231	2.5038	0.0131	2.5169	0.6640	0.0121	0.6761		2,335.912 1	2,335.912 1	0.0611	0.0585	2,354.875 2
Total	1.1017	4.4541	10.6292	0.0395	3.0676	0.0590	3.1266	0.8264	0.0559	0.8823		4,096.517 8	4,096.517 8	0.1087	0.3191	4,194.311 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

6th and Victoria Warehouse Project - San Bernardino-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 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1534	3.8535	1.4142	0.0164	0.5638	0.0459	0.6097	0.1624	0.0439	0.2062		1,760.605 7	1,760.605 7	0.0476	0.2605	1,839.436 3
Worker	0.9484	0.6006	9.2150	0.0231	2.5038	0.0131	2.5169	0.6640	0.0121	0.6761		2,335.912 1	2,335.912 1	0.0611	0.0585	2,354.875 2
Total	1.1017	4.4541	10.6292	0.0395	3.0676	0.0590	3.1266	0.8264	0.0559	0.8823		4,096.517 8	4,096.517 8	0.1087	0.3191	4,194.311 5

3.6 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0677	0.0429	0.6582	1.6500e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		166.8509	166.8509	4.3700e-003	4.1800e-003	168.2054
Total	0.0677	0.0429	0.6582	1.6500e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		166.8509	166.8509	4.3700e-003	4.1800e-003	168.2054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0677	0.0429	0.6582	1.6500e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		166.8509	166.8509	4.3700e-003	4.1800e-003	168.2054
Total	0.0677	0.0429	0.6582	1.6500e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		166.8509	166.8509	4.3700e-003	4.1800e-003	168.2054

3.7 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1948	0.1233	1.8924	4.7500e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		479.6962	479.6962	0.0126	0.0120	483.5904
Total	0.1948	0.1233	1.8924	4.7500e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		479.6962	479.6962	0.0126	0.0120	483.5904

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1948	0.1233	1.8924	4.7500e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		479.6962	479.6962	0.0126	0.0120	483.5904
Total	0.1948	0.1233	1.8924	4.7500e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		479.6962	479.6962	0.0126	0.0120	483.5904

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

6th and Victoria Warehouse Project - San Bernardino-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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

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

Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
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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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project - San Bernardino-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 - Natural Gas****Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project - San Bernardino-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 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

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

6th and Victoria Warehouse Project
San Bernardino-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Trips and VMT - Default values rounded up to the nearest even number to account for arriving and exiting trips each day.

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

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

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstructionPhase	NumDays	300.00	84.00
tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblTripsAndVMT	HaulingTripNumber	19.00	20.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	223.00	224.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.0 Emissions Summary****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	26.6477	38.9953	29.7416	0.0643	19.8582	1.6370	21.4718	10.1558	1.5061	11.6404	0.0000	6,432.512 4	6,432.512 4	1.9515	0.3214	6,546.294 2
Maximum	26.6477	38.9953	29.7416	0.0643	19.8582	1.6370	21.4718	10.1558	1.5061	11.6404	0.0000	6,432.512 4	6,432.512 4	1.9515	0.3214	6,546.294 2

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	26.6477	38.9953	29.7416	0.0643	7.8674	1.6370	9.4811	3.9933	1.5061	5.4779	0.0000	6,432.512 4	6,432.512 4	1.9515	0.3214	6,546.294 2
Maximum	26.6477	38.9953	29.7416	0.0643	7.8674	1.6370	9.4811	3.9933	1.5061	5.4779	0.0000	6,432.512 4	6,432.512 4	1.9515	0.3214	6,546.294 2

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	60.38	0.00	55.84	60.68	0.00	52.94	0.00	0.00	0.00	0.00	0.00	0.00

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

6th and Victoria Warehouse Project - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
3	Grading	Grading	3/15/2022	4/25/2022	5	30	
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84	

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

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

5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

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

Architectural Coating	Air Compressors	1	6.00	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
Demolition	6	16.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**Water Exposed Area****3.2 Demolition - 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					1.2386	0.0000	1.2386	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.2386	1.2427	2.4812	0.1875	1.1553	1.3428		3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project - San Bernardino-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	0.0207	0.8157	0.2073	3.3600e-003	0.0998	8.1700e-003	0.1080	0.0274	7.8200e-003	0.0352		365.3377	365.3377	0.0156	0.0579	382.9799
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0651	0.0451	0.5407	1.5000e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.1165	151.1165	4.3600e-003	4.3100e-003	152.5112
Total	0.0858	0.8608	0.7480	4.8600e-003	0.2787	9.1100e-003	0.2878	0.0748	8.6800e-003	0.0835		516.4542	516.4542	0.0200	0.0622	535.4911

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4830	0.0000	0.4830	0.0731	0.0000	0.0731			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.4830	1.2427	1.7257	0.0731	1.1553	1.2284	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project - San Bernardino-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	0.0207	0.8157	0.2073	3.3600e-003	0.0998	8.1700e-003	0.1080	0.0274	7.8200e-003	0.0352		365.3377	365.3377	0.0156	0.0579	382.9799
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0651	0.0451	0.5407	1.5000e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.1165	151.1165	4.3600e-003	4.3100e-003	152.5112
Total	0.0858	0.8608	0.7480	4.8600e-003	0.2787	9.1100e-003	0.2878	0.0748	8.6800e-003	0.0835		516.4542	516.4542	0.0200	0.0622	535.4911

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0732	0.0508	0.6083	1.6800e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		170.0061	170.0061	4.9000e-003	4.8500e-003	171.5751
Total	0.0732	0.0508	0.6083	1.6800e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		170.0061	170.0061	4.9000e-003	4.8500e-003	171.5751

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0732	0.0508	0.6083	1.6800e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		170.0061	170.0061	4.9000e-003	4.8500e-003	171.5751
Total	0.0732	0.0508	0.6083	1.6800e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		170.0061	170.0061	4.9000e-003	4.8500e-003	171.5751

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	2.4200e-003	0.0954	0.0242	3.9000e-004	0.0117	9.6000e-004	0.0126	3.2000e-003	9.1000e-004	4.1200e-003		42.7296	42.7296	1.8200e-003	6.7700e-003	44.7930
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0813	0.0564	0.6759	1.8700e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		188.8956	188.8956	5.4400e-003	5.3900e-003	190.6390
Total	0.0838	0.1518	0.7001	2.2600e-003	0.2352	2.1300e-003	0.2374	0.0625	1.9900e-003	0.0645		231.6252	231.6252	7.2600e-003	0.0122	235.4319

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	2.4200e-003	0.0954	0.0242	3.9000e-004	0.0117	9.6000e-004	0.0126	3.2000e-003	9.1000e-004	4.1200e-003		42.7296	42.7296	1.8200e-003	6.7700e-003	44.7930
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0813	0.0564	0.6759	1.8700e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		188.8956	188.8956	5.4400e-003	5.3900e-003	190.6390
Total	0.0838	0.1518	0.7001	2.2600e-003	0.2352	2.1300e-003	0.2374	0.0625	1.9900e-003	0.0645		231.6252	231.6252	7.2600e-003	0.0122	235.4319

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project - San Bernardino-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 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1474	4.0454	1.4640	0.0164	0.5638	0.0460	0.6098	0.1624	0.0440	0.2063		1,762.547 7	1,762.547 7	0.0473	0.2610	1,841.505 6
Worker	0.9111	0.6318	7.5695	0.0209	2.5038	0.0131	2.5169	0.6640	0.0121	0.6761		2,115.631 1	2,115.631 1	0.0610	0.0604	2,135.156 4
Total	1.0584	4.6771	9.0336	0.0374	3.0676	0.0591	3.1267	0.8264	0.0561	0.8824		3,878.178 8	3,878.178 8	0.1083	0.3214	3,976.662 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

6th and Victoria Warehouse Project - San Bernardino-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 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1474	4.0454	1.4640	0.0164	0.5638	0.0460	0.6098	0.1624	0.0440	0.2063		1,762.547 7	1,762.547 7	0.0473	0.2610	1,841.505 6
Worker	0.9111	0.6318	7.5695	0.0209	2.5038	0.0131	2.5169	0.6640	0.0121	0.6761		2,115.631 1	2,115.631 1	0.0610	0.0604	2,135.156 4
Total	1.0584	4.6771	9.0336	0.0374	3.0676	0.0591	3.1267	0.8264	0.0561	0.8824		3,878.178 8	3,878.178 8	0.1083	0.3214	3,976.662 0

3.6 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0651	0.0451	0.5407	1.5000e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.1165	151.1165	4.3600e-003	4.3100e-003	152.5112
Total	0.0651	0.0451	0.5407	1.5000e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.1165	151.1165	4.3600e-003	4.3100e-003	152.5112

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0651	0.0451	0.5407	1.5000e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.1165	151.1165	4.3600e-003	4.3100e-003	152.5112
Total	0.0651	0.0451	0.5407	1.5000e-003	0.1788	9.4000e-004	0.1798	0.0474	8.6000e-004	0.0483		151.1165	151.1165	4.3600e-003	4.3100e-003	152.5112

3.7 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1871	0.1297	1.5545	4.3000e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		434.4600	434.4600	0.0125	0.0124	438.4696
Total	0.1871	0.1297	1.5545	4.3000e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		434.4600	434.4600	0.0125	0.0124	438.4696

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1871	0.1297	1.5545	4.3000e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		434.4600	434.4600	0.0125	0.0124	438.4696
Total	0.1871	0.1297	1.5545	4.3000e-003	0.5142	2.6900e-003	0.5169	0.1364	2.4800e-003	0.1388		434.4600	434.4600	0.0125	0.0124	438.4696

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

6th and Victoria Warehouse Project - San Bernardino-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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

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

Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
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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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project - San Bernardino-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 - Natural Gas****Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

LST Unmitigated

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project LST****San Bernardino-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

Trips and VMT - Default values rounded up to the nearest even number to account for arriving and exiting trips each day. Trip length set to 1,000 feet (0.189 miles) to represent onsite vehicle operation only.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default Values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	0	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	0	55
tblConstructionPhase	NumDays	300.00	84.00
tblIFleetMix	HHD	0.00	0.02
tblIFleetMix	HHD	0.00	0.02
tblIFleetMix	HHD	0.00	0.02
tblIFleetMix	LDA	0.00	0.54
tblIFleetMix	LDA	0.00	0.54
tblIFleetMix	LDA	0.00	0.54
tblIFleetMix	LDT1	0.00	0.06

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

tblFleetMix	LDT1	0.00	0.06
tblFleetMix	LDT1	0.00	0.06
tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MHD	0.00	0.01
tblFleetMix	MHD	0.00	0.01
tblFleetMix	MHD	0.00	0.01
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	SBUS	0.00	9.5400e-004
tblFleetMix	SBUS	0.00	9.5400e-004
tblFleetMix	SBUS	0.00	9.5400e-004

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

tblFleetMix	UBUS	0.00	2.5400e-004
tblFleetMix	UBUS	0.00	2.5400e-004
tblFleetMix	UBUS	0.00	2.5400e-004
tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	509.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	32
tblProjectCharacteristics	WindSpeed	0	2.2
tblITripsAndVMT	HaulingTripNumber	19.00	20.00
tblITripsAndVMT	WorkerTripNumber	15.00	16.00
tblITripsAndVMT	WorkerTripNumber	223.00	224.00
tblITripsAndVMT	WorkerTripNumber	15.00	16.00
tblITripsAndVMT	WorkerTripNumber	45.00	46.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

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

Unmitigated Construction

	ROG	NOx	CO	SO2	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	26.5468	38.8694	29.1550	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.822 1	6,020.822 1	1.9468	0.0484	6,070.008 7
Maximum	26.5468	38.8694	29.1550	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.822 1	6,020.822 1	1.9468	0.0484	6,070.008 7

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	26.5468	38.8694	29.1550	0.0622	8.8484	1.6350	10.4611	4.5469	1.5042	6.0305	0.0000	6,020.8221	6,020.8221	1.9468	0.0484	6,070.0087
Maximum	26.5468	38.8694	29.1550	0.0622	8.8484	1.6350	10.4611	4.5469	1.5042	6.0305	0.0000	6,020.8221	6,020.8221	1.9468	0.0484	6,070.0087

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.99	0.00	50.82	55.00	0.00	47.95	0.00	0.00	0.00	0.00	0.00	0.00

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

6th and Victoria Warehouse Project LST - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
3	Grading	Grading	3/15/2022	4/25/2022	5	30	
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84	

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

Architectural Coating	Air Compressors	1	6.00	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
Demolition	6	16.00	0.00	114.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**Water Exposed Area****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					1.2386	0.0000	1.2386	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.2386	1.2427	2.4812	0.1875	1.1553	1.3428		3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.9400e-003	0.1284	0.1029	2.2000e-004	1.0600e-003	1.6000e-004	1.2200e-003	3.0000e-004	1.5000e-004	4.5000e-004		23.4457	23.4457	6.3000e-004	3.7000e-003	24.5643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7400e-003	0.0812	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3355	5.3355	2.0000e-003	1.0400e-003	5.6958
Total	0.0379	0.1372	0.1840	2.7000e-004	3.5200e-003	2.5000e-004	3.7700e-003	9.7000e-004	2.3000e-004	1.2100e-003		28.7812	28.7812	2.6300e-003	4.7400e-003	30.2601

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5574	0.0000	0.5574	0.0844	0.0000	0.0844			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.5574	1.2427	1.8000	0.0844	1.1553	1.2397	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.9400e-003	0.1284	0.1029	2.2000e-004	1.0600e-003	1.6000e-004	1.2200e-003	3.0000e-004	1.5000e-004	4.5000e-004		23.4457	23.4457	6.3000e-004	3.7000e-003	24.5643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7400e-003	0.0812	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3355	5.3355	2.0000e-003	1.0400e-003	5.6958
Total	0.0379	0.1372	0.1840	2.7000e-004	3.5200e-003	2.5000e-004	3.7700e-003	9.7000e-004	2.3000e-004	1.2100e-003		28.7812	28.7812	2.6300e-003	4.7400e-003	30.2601

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0338	9.8400e-003	0.0913	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0025	6.0025	2.2500e-003	1.1700e-003	6.4078
Total	0.0338	9.8400e-003	0.0913	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0025	6.0025	2.2500e-003	1.1700e-003	6.4078

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	8.8457	1.6126	10.4582	4.5461	1.4836	6.0297	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0338	9.8400e-003	0.0913	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0025	6.0025	2.2500e-003	1.1700e-003	6.4078
Total	0.0338	9.8400e-003	0.0913	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0025	6.0025	2.2500e-003	1.1700e-003	6.4078

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	9.3000e-004	0.0150	0.0120	3.0000e-005	1.2000e-004	2.0000e-005	1.4000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7422	2.7422	7.0000e-005	4.3000e-004	2.8730
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0375	0.0109	0.1015	7.0000e-005	3.0700e-003	1.1000e-004	3.1800e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.6694	6.6694	2.5000e-003	1.3000e-003	7.1198
Total	0.0384	0.0260	0.1135	1.0000e-004	3.1900e-003	1.3000e-004	3.3200e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.4116	9.4116	2.5700e-003	1.7300e-003	9.9928

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	4.1416	1.6349	5.7765	1.6442	1.5041	3.1483	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	9.3000e-004	0.0150	0.0120	3.0000e-005	1.2000e-004	2.0000e-005	1.4000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7422	2.7422	7.0000e-005	4.3000e-004	2.8730
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0375	0.0109	0.1015	7.0000e-005	3.0700e-003	1.1000e-004	3.1800e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.6694	6.6694	2.5000e-003	1.3000e-003	7.1198
Total	0.0384	0.0260	0.1135	1.0000e-004	3.1900e-003	1.3000e-004	3.3200e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.4116	9.4116	2.5700e-003	1.7300e-003	9.9928

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0714	1.2181	0.9198	2.0300e-003	0.0177	2.3100e-003	0.0200	5.3300e-003	2.2100e-003	7.5400e-003		216.5660	216.5660	6.0700e-003	0.0338	226.7939
Worker	0.4200	0.1224	1.1367	7.4000e-004	0.0344	1.2900e-003	0.0357	9.4000e-003	1.1800e-003	0.0106		74.6973	74.6973	0.0280	0.0146	79.7417
Total	0.4914	1.3405	2.0565	2.7700e-003	0.0521	3.6000e-003	0.0557	0.0147	3.3900e-003	0.0181		291.2632	291.2632	0.0341	0.0484	306.5356

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0714	1.2181	0.9198	2.0300e-003	0.0177	2.3100e-003	0.0200	5.3300e-003	2.2100e-003	7.5400e-003		216.5660	216.5660	6.0700e-003	0.0338	226.7939
Worker	0.4200	0.1224	1.1367	7.4000e-004	0.0344	1.2900e-003	0.0357	9.4000e-003	1.1800e-003	0.0106		74.6973	74.6973	0.0280	0.0146	79.7417
Total	0.4914	1.3405	2.0565	2.7700e-003	0.0521	3.6000e-003	0.0557	0.0147	3.3900e-003	0.0181		291.2632	291.2632	0.0341	0.0484	306.5356

3.6 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7400e-003	0.0812	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3355	5.3355	2.0000e-003	1.0400e-003	5.6958
Total	0.0300	8.7400e-003	0.0812	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3355	5.3355	2.0000e-003	1.0400e-003	5.6958

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7400e-003	0.0812	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3355	5.3355	2.0000e-003	1.0400e-003	5.6958
Total	0.0300	8.7400e-003	0.0812	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3355	5.3355	2.0000e-003	1.0400e-003	5.6958

3.7 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0863	0.0251	0.2334	1.5000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		15.3396	15.3396	5.7500e-003	2.9900e-003	16.3755
Total	0.0863	0.0251	0.2334	1.5000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		15.3396	15.3396	5.7500e-003	2.9900e-003	16.3755

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0863	0.0251	0.2334	1.5000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		15.3396	15.3396	5.7500e-003	2.9900e-003	16.3755
Total	0.0863	0.0251	0.2334	1.5000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		15.3396	15.3396	5.7500e-003	2.9900e-003	16.3755

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

6th and Victoria Warehouse Project LST - San Bernardino-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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
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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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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 - Natural Gas****Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project LST - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project LST****San Bernardino-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

Trips and VMT - Default values rounded up to the nearest even number to account for arriving and exiting trips each day. Trip length set to 1,000 feet (0.189 miles) to represent onsite vehicle operation only.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default Values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	0	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	0	55
tblConstructionPhase	NumDays	300.00	84.00
tblIFleetMix	HHD	0.00	0.02
tblIFleetMix	HHD	0.00	0.02
tblIFleetMix	HHD	0.00	0.02
tblIFleetMix	LDA	0.00	0.54
tblIFleetMix	LDA	0.00	0.54
tblIFleetMix	LDA	0.00	0.54
tblIFleetMix	LDT1	0.00	0.06

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

tblFleetMix	LDT1	0.00	0.06
tblFleetMix	LDT1	0.00	0.06
tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MHD	0.00	0.01
tblFleetMix	MHD	0.00	0.01
tblFleetMix	MHD	0.00	0.01
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	SBUS	0.00	9.5400e-004
tblFleetMix	SBUS	0.00	9.5400e-004
tblFleetMix	SBUS	0.00	9.5400e-004

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

tblFleetMix	UBUS	0.00	2.5400e-004
tblFleetMix	UBUS	0.00	2.5400e-004
tblFleetMix	UBUS	0.00	2.5400e-004
tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	509.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	32
tblProjectCharacteristics	WindSpeed	0	2.2
tblITripsAndVMT	HaulingTripNumber	19.00	20.00
tblITripsAndVMT	WorkerTripNumber	15.00	16.00
tblITripsAndVMT	WorkerTripNumber	223.00	224.00
tblITripsAndVMT	WorkerTripNumber	15.00	16.00
tblITripsAndVMT	WorkerTripNumber	45.00	46.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

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

Unmitigated Construction

	ROG	NOx	CO	SO2	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	26.5300	38.8711	29.1686	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.5021	6,020.5021	1.9472	0.0493	6,069.7169
Maximum	26.5300	38.8711	29.1686	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.5021	6,020.5021	1.9472	0.0493	6,069.7169

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	26.5300	38.8711	29.1686	0.0622	8.8484	1.6350	10.4611	4.5469	1.5042	6.0305	0.0000	6,020.5021	6,020.5021	1.9472	0.0493	6,069.7169
Maximum	26.5300	38.8711	29.1686	0.0622	8.8484	1.6350	10.4611	4.5469	1.5042	6.0305	0.0000	6,020.5021	6,020.5021	1.9472	0.0493	6,069.7169

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.99	0.00	50.82	55.00	0.00	47.95	0.00	0.00	0.00	0.00	0.00	0.00

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

6th and Victoria Warehouse Project LST - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
3	Grading	Grading	3/15/2022	4/25/2022	5	30	
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84	

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

Architectural Coating	Air Compressors	1	6.00	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
Demolition	6	16.00	0.00	114.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**Water Exposed Area****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					1.2386	0.0000	1.2386	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.2386	1.2427	2.4812	0.1875	1.1553	1.3428		3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.0500e-003	0.1371	0.1075	2.2000e-004	1.0600e-003	1.7000e-004	1.2400e-003	3.0000e-004	1.6000e-004	4.7000e-004		23.7184	23.7184	5.9000e-004	3.7400e-003	24.8486
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0540	5.0540	2.3300e-003	1.0900e-003	5.4358
Total	0.0312	0.1464	0.1992	2.7000e-004	3.5200e-003	2.6000e-004	3.7900e-003	9.7000e-004	2.4000e-004	1.2300e-003		28.7724	28.7724	2.9200e-003	4.8300e-003	30.2844

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5574	0.0000	0.5574	0.0844	0.0000	0.0844			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.5574	1.2427	1.8000	0.0844	1.1553	1.2397	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.0500e-003	0.1371	0.1075	2.2000e-004	1.0600e-003	1.7000e-004	1.2400e-003	3.0000e-004	1.6000e-004	4.7000e-004		23.7184	23.7184	5.9000e-004	3.7400e-003	24.8486
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0540	5.0540	2.3300e-003	1.0900e-003	5.4358
Total	0.0312	0.1464	0.1992	2.7000e-004	3.5200e-003	2.6000e-004	3.7900e-003	9.7000e-004	2.4000e-004	1.2300e-003		28.7724	28.7724	2.9200e-003	4.8300e-003	30.2844

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0272	0.0104	0.1031	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6857	5.6857	2.6200e-003	1.2200e-003	6.1153
Total	0.0272	0.0104	0.1031	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6857	5.6857	2.6200e-003	1.2200e-003	6.1153

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	8.8457	1.6126	10.4582	4.5461	1.4836	6.0297	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0272	0.0104	0.1031	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6857	5.6857	2.6200e-003	1.2200e-003	6.1153
Total	0.0272	0.0104	0.1031	6.0000e-005	2.7600e-003	1.0000e-004	2.8700e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6857	5.6857	2.6200e-003	1.2200e-003	6.1153

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	8.2000e-004	0.0160	0.0126	3.0000e-005	1.2000e-004	2.0000e-005	1.4000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7741	2.7741	7.0000e-005	4.4000e-004	2.9063
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0302	0.0116	0.1146	6.0000e-005	3.0700e-003	1.1000e-004	3.1800e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.3175	6.3175	2.9100e-003	1.3600e-003	6.7948
Total	0.0310	0.0276	0.1271	9.0000e-005	3.1900e-003	1.3000e-004	3.3200e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.0916	9.0916	2.9800e-003	1.8000e-003	9.7011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	4.1416	1.6349	5.7765	1.6442	1.5041	3.1483	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	8.2000e-004	0.0160	0.0126	3.0000e-005	1.2000e-004	2.0000e-005	1.4000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7741	2.7741	7.0000e-005	4.4000e-004	2.9063
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0302	0.0116	0.1146	6.0000e-005	3.0700e-003	1.1000e-004	3.1800e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.3175	6.3175	2.9100e-003	1.3600e-003	6.7948
Total	0.0310	0.0276	0.1271	9.0000e-005	3.1900e-003	1.3000e-004	3.3200e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.0916	9.0916	2.9800e-003	1.8000e-003	9.7011

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0647	1.2875	0.9725	2.0400e-003	0.0177	2.4500e-003	0.0202	5.3300e-003	2.3400e-003	7.6700e-003		218.5131	218.5131	5.7900e-003	0.0341	228.8312
Worker	0.3379	0.1296	1.2831	7.0000e-004	0.0344	1.2900e-003	0.0357	9.4000e-003	1.1800e-003	0.0106		70.7559	70.7559	0.0326	0.0152	76.1016
Total	0.4027	1.4171	2.2556	2.7400e-003	0.0521	3.7400e-003	0.0558	0.0147	3.5200e-003	0.0183		289.2690	289.2690	0.0384	0.0493	304.9327

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0647	1.2875	0.9725	2.0400e-003	0.0177	2.4500e-003	0.0202	5.3300e-003	2.3400e-003	7.6700e-003		218.5131	218.5131	5.7900e-003	0.0341	228.8312
Worker	0.3379	0.1296	1.2831	7.0000e-004	0.0344	1.2900e-003	0.0357	9.4000e-003	1.1800e-003	0.0106		70.7559	70.7559	0.0326	0.0152	76.1016
Total	0.4027	1.4171	2.2556	2.7400e-003	0.0521	3.7400e-003	0.0558	0.0147	3.5200e-003	0.0183		289.2690	289.2690	0.0384	0.0493	304.9327

3.6 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0540	5.0540	2.3300e-003	1.0900e-003	5.4358
Total	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0540	5.0540	2.3300e-003	1.0900e-003	5.4358

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0540	5.0540	2.3300e-003	1.0900e-003	5.4358
Total	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4600e-003	9.0000e-005	2.5500e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0540	5.0540	2.3300e-003	1.0900e-003	5.4358

3.7 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0266	0.2635	1.4000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		14.5302	14.5302	6.7000e-003	3.1200e-003	15.6280
Total	0.0694	0.0266	0.2635	1.4000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		14.5302	14.5302	6.7000e-003	3.1200e-003	15.6280

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0266	0.2635	1.4000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		14.5302	14.5302	6.7000e-003	3.1200e-003	15.6280
Total	0.0694	0.0266	0.2635	1.4000e-004	7.0600e-003	2.6000e-004	7.3200e-003	1.9300e-003	2.4000e-004	2.1700e-003		14.5302	14.5302	6.7000e-003	3.1200e-003	15.6280

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

6th and Victoria Warehouse Project LST - San Bernardino-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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
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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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project LST - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

LST Mitigated

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project LST****San Bernardino-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

Trips and VMT - Default values rounded up to the nearest even number to account for arriving and exiting trips each day. Trip length set to 1,000 feet (0.189 miles) to represent onsite vehicle operation only.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default Values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstructionPhase	NumDays	300.00	84.00
tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblTripsAndVMT	HaulingTripNumber	19.00	20.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	223.00	224.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00

6th and Victoria Warehouse Project LST - San Bernardino-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

1.74

0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	26.5469	38.8694	29.1551	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.838 1	6,020.838 1	1.9468	0.0484	6,070.024 8
Maximum	26.5469	38.8694	29.1551	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.838 1	6,020.838 1	1.9468	0.0484	6,070.024 8

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	26.5469	38.8694	29.1551	0.0622	7.6690	1.6350	9.2817	3.9407	1.5042	5.4244	0.0000	6,020.838 1	6,020.838 1	1.9468	0.0484	6,070.024 8
Maximum	26.5469	38.8694	29.1551	0.0622	7.6690	1.6350	9.2817	3.9407	1.5042	5.4244	0.0000	6,020.838 1	6,020.838 1	1.9468	0.0484	6,070.024 8

6th and Victoria Warehouse Project LST - San Bernardino-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
Percent Reduction	0.00	0.00	0.00	0.00	60.99	0.00	56.37	61.00	0.00	53.19	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

6th and Victoria Warehouse Project LST - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
3	Grading	Grading	3/15/2022	4/25/2022	5	30	
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84	

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

Architectural Coating	Air Compressors	1	6.00	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
Demolition	6	16.00	0.00	114.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**Water Exposed Area****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					1.2386	0.0000	1.2386	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.2386	1.2427	2.4812	0.1875	1.1553	1.3428		3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.9400e-003	0.1285	0.1029	2.2000e-004	1.0700e-003	1.6000e-004	1.2300e-003	3.0000e-004	1.5000e-004	4.6000e-004		23.4629	23.4629	6.3000e-004	3.7000e-003	24.5823
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7500e-003	0.0812	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3467	5.3467	2.0000e-003	1.0400e-003	5.7070
Total	0.0379	0.1372	0.1841	2.7000e-004	3.5400e-003	2.5000e-004	3.7900e-003	9.7000e-004	2.3000e-004	1.2200e-003		28.8096	28.8096	2.6300e-003	4.7400e-003	30.2894

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4830	0.0000	0.4830	0.0731	0.0000	0.0731			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.4830	1.2427	1.7257	0.0731	1.1553	1.2284	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.9400e-003	0.1285	0.1029	2.2000e-004	1.0700e-003	1.6000e-004	1.2300e-003	3.0000e-004	1.5000e-004	4.6000e-004		23.4629	23.4629	6.3000e-004	3.7000e-003	24.5823
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7500e-003	0.0812	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3467	5.3467	2.0000e-003	1.0400e-003	5.7070
Total	0.0379	0.1372	0.1841	2.7000e-004	3.5400e-003	2.5000e-004	3.7900e-003	9.7000e-004	2.3000e-004	1.2200e-003		28.8096	28.8096	2.6300e-003	4.7400e-003	30.2894

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0338	9.8400e-003	0.0914	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0150	6.0150	2.2500e-003	1.1700e-003	6.4204
Total	0.0338	9.8400e-003	0.0914	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0150	6.0150	2.2500e-003	1.1700e-003	6.4204

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0338	9.8400e-003	0.0914	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0150	6.0150	2.2500e-003	1.1700e-003	6.4204
Total	0.0338	9.8400e-003	0.0914	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		6.0150	6.0150	2.2500e-003	1.1700e-003	6.4204

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	9.3000e-004	0.0150	0.0120	3.0000e-005	1.3000e-004	2.0000e-005	1.4000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7442	2.7442	7.0000e-005	4.3000e-004	2.8751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0375	0.0109	0.1015	7.0000e-005	3.0800e-003	1.1000e-004	3.2000e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.6833	6.6833	2.5000e-003	1.3000e-003	7.1338
Total	0.0384	0.0260	0.1136	1.0000e-004	3.2100e-003	1.3000e-004	3.3400e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.4275	9.4275	2.5700e-003	1.7300e-003	10.0089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	9.3000e-004	0.0150	0.0120	3.0000e-005	1.3000e-004	2.0000e-005	1.4000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7442	2.7442	7.0000e-005	4.3000e-004	2.8751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0375	0.0109	0.1015	7.0000e-005	3.0800e-003	1.1000e-004	3.2000e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.6833	6.6833	2.5000e-003	1.3000e-003	7.1338
Total	0.0384	0.0260	0.1136	1.0000e-004	3.2100e-003	1.3000e-004	3.3400e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.4275	9.4275	2.5700e-003	1.7300e-003	10.0089

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0715	1.2185	0.9199	2.0300e-003	0.0178	2.3100e-003	0.0201	5.3600e-003	2.2100e-003	7.5700e-003		216.7960	216.7960	6.0700e-003	0.0339	227.0342
Worker	0.4200	0.1224	1.1373	7.4000e-004	0.0345	1.2900e-003	0.0358	9.4500e-003	1.1800e-003	0.0106		74.8531	74.8531	0.0280	0.0146	79.8985
Total	0.4915	1.3409	2.0571	2.7700e-003	0.0523	3.6000e-003	0.0559	0.0148	3.3900e-003	0.0182		291.6491	291.6491	0.0341	0.0484	306.9327

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0715	1.2185	0.9199	2.0300e-003	0.0178	2.3100e-003	0.0201	5.3600e-003	2.2100e-003	7.5700e-003		216.7960	216.7960	6.0700e-003	0.0339	227.0342
Worker	0.4200	0.1224	1.1373	7.4000e-004	0.0345	1.2900e-003	0.0358	9.4500e-003	1.1800e-003	0.0106		74.8531	74.8531	0.0280	0.0146	79.8985
Total	0.4915	1.3409	2.0571	2.7700e-003	0.0523	3.6000e-003	0.0559	0.0148	3.3900e-003	0.0182		291.6491	291.6491	0.0341	0.0484	306.9327

3.6 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7500e-003	0.0812	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3467	5.3467	2.0000e-003	1.0400e-003	5.7070
Total	0.0300	8.7500e-003	0.0812	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3467	5.3467	2.0000e-003	1.0400e-003	5.7070

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0300	8.7500e-003	0.0812	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3467	5.3467	2.0000e-003	1.0400e-003	5.7070
Total	0.0300	8.7500e-003	0.0812	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.3467	5.3467	2.0000e-003	1.0400e-003	5.7070

3.7 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0863	0.0251	0.2336	1.5000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		15.3716	15.3716	5.7500e-003	2.9900e-003	16.4077
Total	0.0863	0.0251	0.2336	1.5000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		15.3716	15.3716	5.7500e-003	2.9900e-003	16.4077

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0863	0.0251	0.2336	1.5000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		15.3716	15.3716	5.7500e-003	2.9900e-003	16.4077
Total	0.0863	0.0251	0.2336	1.5000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		15.3716	15.3716	5.7500e-003	2.9900e-003	16.4077

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

6th and Victoria Warehouse Project LST - San Bernardino-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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
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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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project LST - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project LST****San Bernardino-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

Trips and VMT - Default values rounded up to the nearest even number to account for arriving and exiting trips each day. Trip length set to 1,000 feet (0.189 miles) to represent onsite vehicle operation only.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default Values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstructionPhase	NumDays	300.00	84.00
tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblTripsAndVMT	HaulingTripNumber	19.00	20.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	223.00	224.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00

6th and Victoria Warehouse Project LST - San Bernardino-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

1.74

0.00

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	26.5300	38.8711	29.1687	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.5167	6,020.5167	1.9472	0.0494	6,069.7317
Maximum	26.5300	38.8711	29.1687	0.0622	19.6598	1.6350	21.2725	10.1032	1.5042	11.5869	0.0000	6,020.5167	6,020.5167	1.9472	0.0494	6,069.7317

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	26.5300	38.8711	29.1687	0.0622	7.6690	1.6350	9.2817	3.9407	1.5042	5.4244	0.0000	6,020.5167	6,020.5167	1.9472	0.0494	6,069.7317
Maximum	26.5300	38.8711	29.1687	0.0622	7.6690	1.6350	9.2817	3.9407	1.5042	5.4244	0.0000	6,020.5167	6,020.5167	1.9472	0.0494	6,069.7317

6th and Victoria Warehouse Project LST - San Bernardino-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
Percent Reduction	0.00	0.00	0.00	0.00	60.99	0.00	56.37	61.00	0.00	53.19	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

6th and Victoria Warehouse Project LST - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.5760	33.7551	40.2613	0.0545	0.0000	2.0884	2.0884	0.0000	1.9223	1.9223	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 4

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	
3	Grading	Grading	3/15/2022	4/25/2022	5	30	
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84	

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

Architectural Coating	Air Compressors	1	6.00	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
Demolition	6	16.00	0.00	114.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**Water Exposed Area****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					1.2386	0.0000	1.2386	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.2386	1.2427	2.4812	0.1875	1.1553	1.3428		3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.0500e-003	0.1372	0.1075	2.2000e-004	1.0700e-003	1.7000e-004	1.2400e-003	3.0000e-004	1.6000e-004	4.7000e-004		23.7356	23.7356	5.9000e-004	3.7500e-003	24.8667
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0641	5.0641	2.3300e-003	1.0900e-003	5.4460
Total	0.0312	0.1464	0.1992	2.7000e-004	3.5400e-003	2.6000e-004	3.8000e-003	9.7000e-004	2.4000e-004	1.2300e-003		28.7997	28.7997	2.9200e-003	4.8400e-003	30.3126

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4830	0.0000	0.4830	0.0731	0.0000	0.0731			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.4830	1.2427	1.7257	0.0731	1.1553	1.2284	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

6th and Victoria Warehouse Project LST - San Bernardino-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	7.0500e-003	0.1372	0.1075	2.2000e-004	1.0700e-003	1.7000e-004	1.2400e-003	3.0000e-004	1.6000e-004	4.7000e-004		23.7356	23.7356	5.9000e-004	3.7500e-003	24.8667
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0641	5.0641	2.3300e-003	1.0900e-003	5.4460
Total	0.0312	0.1464	0.1992	2.7000e-004	3.5400e-003	2.6000e-004	3.8000e-003	9.7000e-004	2.4000e-004	1.2300e-003		28.7997	28.7997	2.9200e-003	4.8400e-003	30.3126

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0272	0.0104	0.1031	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6971	5.6971	2.6200e-003	1.2200e-003	6.1267
Total	0.0272	0.0104	0.1031	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6971	5.6971	2.6200e-003	1.2200e-003	6.1267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0272	0.0104	0.1031	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6971	5.6971	2.6200e-003	1.2200e-003	6.1267
Total	0.0272	0.0104	0.1031	6.0000e-005	2.7800e-003	1.0000e-004	2.8800e-003	7.6000e-004	1.0000e-004	8.5000e-004		5.6971	5.6971	2.6200e-003	1.2200e-003	6.1267

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	8.2000e-004	0.0160	0.0126	3.0000e-005	1.3000e-004	2.0000e-005	1.5000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7761	2.7761	7.0000e-005	4.4000e-004	2.9084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0302	0.0116	0.1146	6.0000e-005	3.0800e-003	1.1000e-004	3.2000e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.3301	6.3301	2.9100e-003	1.3600e-003	6.8075
Total	0.0310	0.0276	0.1272	9.0000e-005	3.2100e-003	1.3000e-004	3.3500e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.1062	9.1062	2.9800e-003	1.8000e-003	9.7158

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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	8.2000e-004	0.0160	0.0126	3.0000e-005	1.3000e-004	2.0000e-005	1.5000e-004	4.0000e-005	2.0000e-005	5.0000e-005		2.7761	2.7761	7.0000e-005	4.4000e-004	2.9084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0302	0.0116	0.1146	6.0000e-005	3.0800e-003	1.1000e-004	3.2000e-003	8.4000e-004	1.1000e-004	9.5000e-004		6.3301	6.3301	2.9100e-003	1.3600e-003	6.8075
Total	0.0310	0.0276	0.1272	9.0000e-005	3.2100e-003	1.3000e-004	3.3500e-003	8.8000e-004	1.3000e-004	1.0000e-003		9.1062	9.1062	2.9800e-003	1.8000e-003	9.7158

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0647	1.2879	0.9726	2.0500e-003	0.0178	2.4500e-003	0.0202	5.3600e-003	2.3500e-003	7.7000e-003		218.7432	218.7432	5.8000e-003	0.0342	229.0715
Worker	0.3380	0.1296	1.2836	7.0000e-004	0.0345	1.2900e-003	0.0358	9.4500e-003	1.1800e-003	0.0106		70.8968	70.8968	0.0326	0.0152	76.2435
Total	0.4027	1.4175	2.2561	2.7500e-003	0.0523	3.7400e-003	0.0561	0.0148	3.5300e-003	0.0183		289.6400	289.6400	0.0384	0.0494	305.3149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

6th and Victoria Warehouse Project LST - San Bernardino-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 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0647	1.2879	0.9726	2.0500e-003	0.0178	2.4500e-003	0.0202	5.3600e-003	2.3500e-003	7.7000e-003		218.7432	218.7432	5.8000e-003	0.0342	229.0715
Worker	0.3380	0.1296	1.2836	7.0000e-004	0.0345	1.2900e-003	0.0358	9.4500e-003	1.1800e-003	0.0106		70.8968	70.8968	0.0326	0.0152	76.2435
Total	0.4027	1.4175	2.2561	2.7500e-003	0.0523	3.7400e-003	0.0561	0.0148	3.5300e-003	0.0183		289.6400	289.6400	0.0384	0.0494	305.3149

3.6 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0641	5.0641	2.3300e-003	1.0900e-003	5.4460
Total	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0641	5.0641	2.3300e-003	1.0900e-003	5.4460

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.6707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7735	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0641	5.0641	2.3300e-003	1.0900e-003	5.4460
Total	0.0241	9.2600e-003	0.0917	5.0000e-005	2.4700e-003	9.0000e-005	2.5600e-003	6.7000e-004	8.0000e-005	7.6000e-004		5.0641	5.0641	2.3300e-003	1.0900e-003	5.4460

3.7 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0266	0.2636	1.4000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		14.5592	14.5592	6.7000e-003	3.1200e-003	15.6571
Total	0.0694	0.0266	0.2636	1.4000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		14.5592	14.5592	6.7000e-003	3.1200e-003	15.6571

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	26.2561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	26.4606	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0266	0.2636	1.4000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		14.5592	14.5592	6.7000e-003	3.1200e-003	15.6571
Total	0.0694	0.0266	0.2636	1.4000e-004	7.0900e-003	2.6000e-004	7.3600e-003	1.9400e-003	2.4000e-004	2.1800e-003		14.5592	14.5592	6.7000e-003	3.1200e-003	15.6571

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

6th and Victoria Warehouse Project LST - San Bernardino-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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
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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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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 - Natural Gas****Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project LST - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project LST - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0200e-003	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0542	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project LST - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.5889	33.5887	40.0677	0.0535		2.0756	2.0756		1.9095	1.9095	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

Operational Forklifts

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY****San Bernardino-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Assume 1-year to estimate operational forklift emissions

Off-road Equipment - Default values

Off-road Equipment - Forklift only to estimate operational forklift emissions.

Trips and VMT - Construction run to estimate forklift emissions from operational forklifts with Tier controlled equipment.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Annual

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

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Road Dust - Default Values

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - All of the modeled forklifts are Tier 4 interim.

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Fleet Mix - Default Values

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	0	13380
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	35.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	20.00	364.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	15.00
tblOffRoadEquipment	PhaseName		Demolition
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	509.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	32
tblProjectCharacteristics	WindSpeed	0	2.2
tblTripsAndVMT	WorkerTripNumber	88.00	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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	1.74	0.00
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2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2799	2.6199	3.1253	4.1700e-003	0.0000	0.1619	0.1619	0.0000	0.1489	0.1489	0.0000	366.6153	366.6153	0.1186	0.0000	369.5796
Maximum	0.2799	2.6199	3.1253	4.1700e-003	0.0000	0.1619	0.1619	0.0000	0.1489	0.1489	0.0000	366.6153	366.6153	0.1186	0.0000	369.5796

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0943	1.8341	3.1711	4.1700e-003	0.0000	6.8600e-003	6.8600e-003	0.0000	6.8600e-003	6.8600e-003	0.0000	366.6148	366.6148	0.1186	0.0000	369.5791
Maximum	0.0943	1.8341	3.1711	4.1700e-003	0.0000	6.8600e-003	6.8600e-003	0.0000	6.8600e-003	6.8600e-003	0.0000	366.6148	366.6148	0.1186	0.0000	369.5791

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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
Percent Reduction	66.32	29.99	-1.47	0.00	0.00	95.76	95.76	0.00	95.39	95.39	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2023	4-30-2023	0.7090	0.4715
2	5-1-2023	7-31-2023	0.7329	0.4874
3	8-1-2023	9-30-2023	0.4860	0.3232
		Highest	0.7329	0.4874

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2715	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Energy	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	202.5277	202.5277	0.0116	1.9300e-003	203.3942
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
Offroad	0.4286	4.0200	5.1838	6.9500e-003		0.2322	0.2322		0.2136	0.2136	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Waste						0.0000	0.0000		0.0000	0.0000	58.6603	0.0000	58.6603	3.4667	0.0000	145.3285
Water						0.0000	0.0000		0.0000	0.0000	22.5546	214.1368	236.6913	2.3304	0.0564	311.7530
Total	1.7035	4.0504	5.2160	7.1300e-003	0.0000	0.2345	0.2345	0.0000	0.2159	0.2159	81.2149	1,027.7023	1,108.9172	6.0064	0.0583	1,276.4549

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2715	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Energy	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	202.5277	202.5277	0.0116	1.9300e-003	203.3942
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
Offroad	0.4286	4.0200	5.1838	6.9500e-003		0.2322	0.2322		0.2136	0.2136	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Waste						0.0000	0.0000		0.0000	0.0000	58.6603	0.0000	58.6603	3.4667	0.0000	145.3285
Water						0.0000	0.0000		0.0000	0.0000	22.5546	214.1368	236.6913	2.3304	0.0564	311.7530
Total	1.7035	4.0504	5.2160	7.1300e-003	0.0000	0.2345	0.2345	0.0000	0.2159	0.2159	81.2149	1,027.7023	1,108.9172	6.0064	0.0583	1,276.4549

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	12/30/2023	7	364	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 5.12****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	Excavators	0	8.00	158	0.38
Demolition	Forklifts	15	8.00	89	0.20
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	35	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2799	2.6199	3.1253	4.1700e-003		0.1619	0.1619		0.1489	0.1489	0.0000	366.6153	366.6153	0.1186	0.0000	369.5796
Total	0.2799	2.6199	3.1253	4.1700e-003	0.0000	0.1619	0.1619	0.0000	0.1489	0.1489	0.0000	366.6153	366.6153	0.1186	0.0000	369.5796

Unmitigated Construction Off-Site

[illegible]

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0943	1.8341	3.1711	4.1700e-003		6.8600e-003	6.8600e-003		6.8600e-003	6.8600e-003	0.0000	366.6148	366.6148	0.1186	0.0000	369.5791
Total	0.0943	1.8341	3.1711	4.1700e-003	0.0000	6.8600e-003	6.8600e-003	0.0000	6.8600e-003	6.8600e-003	0.0000	366.6148	366.6148	0.1186	0.0000	369.5791

Mitigated Construction Off-Site

[illegible]

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

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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
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

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	169.5525	169.5525	0.0110	1.3300e-003	170.2230
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	169.5525	169.5525	0.0110	1.3300e-003	170.2230
NaturalGas Mitigated	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
NaturalGas Unmitigated	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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					
Other 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
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
Unrefrigerated Warehouse-No Rail	617932	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
Total		3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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					
Other 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
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
Unrefrigerated Warehouse-No Rail	617932	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
Total		3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	19733	4.5647	3.0000e-004	4.0000e-005	4.5828
Unrefrigerated Warehouse-No Rail	713235	164.9878	0.0107	1.2900e-003	165.6403
Total		169.5525	0.0110	1.3300e-003	170.2230

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	19733	4.5647	3.0000e-004	4.0000e-005	4.5828
Unrefrigerated Warehouse-No Rail	713235	164.9878	0.0107	1.2900e-003	165.6403
Total		169.5525	0.0110	1.3300e-003	170.2230

6.0 Area Detail**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2715	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Unmitigated	1.2715	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

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	0.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.2000e-004	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Total	1.2715	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

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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	0.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.2000e-004	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Total	1.2715	6.0000e-005	6.7600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

7.0 Water Detail**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	236.6913	2.3304	0.0564	311.7530
Unmitigated	236.6913	2.3304	0.0564	311.7530

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	71.0932 / 0	236.6913	2.3304	0.0564	311.7530
Total		236.6913	2.3304	0.0564	311.7530

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	71.0932 / 0	236.6913	2.3304	0.0564	311.7530
Total		236.6913	2.3304	0.0564	311.7530

8.0 Waste Detail

8.1 Mitigation Measures Waste

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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	58.6603	3.4667	0.0000	145.3285
Unmitigated	58.6603	3.4667	0.0000	145.3285

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	288.98	58.6603	3.4667	0.0000	145.3285
Total		58.6603	3.4667	0.0000	145.3285

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	288.98	58.6603	3.4667	0.0000	145.3285
Total		58.6603	3.4667	0.0000	145.3285

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.4286	4.0200	5.1838	6.9500e-003		0.2322	0.2322		0.2136	0.2136	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Total	0.4286	4.0200	5.1838	6.9500e-003		0.2322	0.2322		0.2136	0.2136	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY****San Bernardino-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Assume 1-year to estimate operational forklift emissions

Off-road Equipment - Default values

Off-road Equipment - Forklift only to estimate operational forklift emissions.

Trips and VMT - Construction run to estimate forklift emissions from operational forklifts with Tier controlled equipment.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Summer

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

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Road Dust - Default Values

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - All of the modeled forklifts are Tier 4 interim.

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Fleet Mix - Default Values

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	0	13380
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	35.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	20.00	364.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	15.00
tblOffRoadEquipment	PhaseName		Demolition
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	509.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	32
tblProjectCharacteristics	WindSpeed	0	2.2
tblTripsAndVMT	WorkerTripNumber	88.00	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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	1.74	0.00
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2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5381	14.3952	17.1719	0.0229	0.0000	0.8895	0.8895	0.0000	0.8184	0.8184	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160
Maximum	1.5381	14.3952	17.1719	0.0229	0.0000	0.8895	0.8895	0.0000	0.8184	0.8184	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.5180	10.0774	17.4236	0.0229	0.0000	0.0377	0.0377	0.0000	0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160
Maximum	0.5180	10.0774	17.4236	0.0229	0.0000	0.0377	0.0377	0.0000	0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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
Percent Reduction	66.32	29.99	-1.47	0.00	0.00	95.77	95.77	0.00	95.40	95.40	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.2840	31.0898	40.0691	0.0545	0.0000	1.7986	1.7986	0.0000	1.6558	1.6558	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 3

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.2840	31.0898	40.0691	0.0545	0.0000	1.7986	1.7986	0.0000	1.6558	1.6558	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 3

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	12/30/2023	7	364	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0**

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Paving: 5.12****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	Excavators	0	8.00	158	0.38
Demolition	Forklifts	15	8.00	89	0.20
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	35	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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 - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5381	14.3952	17.1719	0.0229		0.8895	0.8895		0.8184	0.8184		2,220.4625	2,220.4625	0.7181		2,238.4160
Total	1.5381	14.3952	17.1719	0.0229	0.0000	0.8895	0.8895	0.0000	0.8184	0.8184		2,220.4625	2,220.4625	0.7181		2,238.4160

Unmitigated Construction Off-Site

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

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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 - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5180	10.0774	17.4236	0.0229		0.0377	0.0377		0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181		2,238.4160
Total	0.5180	10.0774	17.4236	0.0229	0.0000	0.0377	0.0377	0.0000	0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181		2,238.4160

Mitigated Construction Off-Site

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

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9900e-003	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9900e-003	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY****San Bernardino-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Assume 1-year to estimate operational forklift emissions

Off-road Equipment - Default values

Off-road Equipment - Forklift only to estimate operational forklift emissions.

Trips and VMT - Construction run to estimate forklift emissions from operational forklifts with Tier controlled equipment.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Winter

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

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Road Dust - Default Values

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - All of the modeled forklifts are Tier 4 interim.

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Fleet Mix - Default Values

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	0	13380
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	35.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	20.00	364.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	15.00
tblOffRoadEquipment	PhaseName		Demolition
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	509.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	32
tblProjectCharacteristics	WindSpeed	0	2.2
tblTripsAndVMT	WorkerTripNumber	88.00	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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	1.74	0.00
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2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5381	14.3952	17.1719	0.0229	0.0000	0.8895	0.8895	0.0000	0.8184	0.8184	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160
Maximum	1.5381	14.3952	17.1719	0.0229	0.0000	0.8895	0.8895	0.0000	0.8184	0.8184	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.5180	10.0774	17.4236	0.0229	0.0000	0.0377	0.0377	0.0000	0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160
Maximum	0.5180	10.0774	17.4236	0.0229	0.0000	0.0377	0.0377	0.0000	0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181	0.0000	2,238.4160

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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
Percent Reduction	66.32	29.99	-1.47	0.00	0.00	95.77	95.77	0.00	95.40	95.40	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.2840	31.0898	40.0691	0.0545	0.0000	1.7986	1.7986	0.0000	1.6558	1.6558	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 3

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Energy	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
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
Offroad	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	10.2840	31.0898	40.0691	0.0545	0.0000	1.7986	1.7986	0.0000	1.6558	1.6558	0.0000	5,380.367 5	5,380.367 5	1.6798	3.6500e-003	5,423.450 3

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	12/30/2023	7	364	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0**

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Paving: 5.12****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	Excavators	0	8.00	158	0.38
Demolition	Forklifts	15	8.00	89	0.20
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	35	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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 - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5381	14.3952	17.1719	0.0229		0.8895	0.8895		0.8184	0.8184		2,220.4625	2,220.4625	0.7181		2,238.4160
Total	1.5381	14.3952	17.1719	0.0229	0.0000	0.8895	0.8895	0.0000	0.8184	0.8184		2,220.4625	2,220.4625	0.7181		2,238.4160

Unmitigated Construction Off-Site

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

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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 - 2023****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5180	10.0774	17.4236	0.0229		0.0377	0.0377		0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181		2,238.4160
Total	0.5180	10.0774	17.4236	0.0229	0.0000	0.0377	0.0377	0.0000	0.0377	0.0377	0.0000	2,220.4625	2,220.4625	0.7181		2,238.4160

Mitigated Construction Off-Site

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

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

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	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
NaturalGas Unmitigated	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1692.97	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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					
Other 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
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
Unrefrigerated Warehouse-No Rail	1.69297	0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560
Total		0.0183	0.1660	0.1394	1.0000e-003		0.0126	0.0126		0.0126	0.0126		199.1724	199.1724	3.8200e-003	3.6500e-003	200.3560

6.0 Area Detail**6.1 Mitigation Measures Area**

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Unmitigated	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9900e-003	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-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	0.7978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.1661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9900e-003	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237
Total	6.9689	4.9000e-004	0.0541	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1161	0.1161	3.0000e-004		0.1237

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

6th and Victoria Warehouse Project FORKLIFT OPERATION ONLY - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7
Total	3.2969	30.9233	39.8756	0.0535		1.7858	1.7858		1.6430	1.6430	0.0000	5,181.079 1	5,181.079 1	1.6757		5,222.970 7

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

Construction HRA Tier 4i Equipment

6th and Victoria Warehouse Project HRA - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6th and Victoria Warehouse Project HRA****San Bernardino-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	307.43	1000sqft	7.06	307,429.00	0
Other Asphalt Surfaces	166.62	1000sqft	3.83	166,620.00	0
Parking Lot	56.38	1000sqft	1.29	56,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on SCE 2020 Sustainability Report, CO2e = 512 lb/MWhr.

Land Use - Other asphalt surfaces includes interior site roads and grinding and overlay of portions of 6th Street and Victoria Avenue.

Construction Phase - Per applicant provided information, assumes an approximate 9 month construction schedule.

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

Off-road Equipment - Default values

6th and Victoria Warehouse Project HRA - San Bernardino-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 - Default values rounded up to the nearest even number to account for arriving and exiting trips each day. Trip length set to 1,000 feet (0.189 miles) to represent onsite vehicle operation only.

Demolition -

Grading - Applicant provided information, based on grading plan.

Architectural Coating - Per applicant information low and no-VOC coatings to be used. No VOC coatings estimated at 5 g/L VOC and low VOC estimated at 50 g/L.

Vehicle Trips - Operational mobile emissions calculated via spreadsheet model outside of CalEEMod.

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation - Default Values

Operational Off-Road Equipment - Based on SCAQMD operational survey results from 34 operating high-cube warehouses, SCAQMD 2014.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	13,380.00
tblArchitecturalCoating	EF_Parking	0.00	100.00
tblAreaCoating	Area_Parking	0	13380
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	0	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	0	55
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

6th and Victoria Warehouse Project HRA - San Bernardino-South Coast County, Annual

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	300.00	84.00
tblFleetMix	HHD	0.00	0.02
tblFleetMix	HHD	0.00	0.02
tblFleetMix	HHD	0.00	0.02
tblFleetMix	LDA	0.00	0.54
tblFleetMix	LDA	0.00	0.54
tblFleetMix	LDA	0.00	0.54
tblFleetMix	LDT1	0.00	0.06
tblFleetMix	LDT1	0.00	0.06
tblFleetMix	LDT1	0.00	0.06
tblFleetMix	LDT2	0.00	0.17

6th and Victoria Warehouse Project HRA - San Bernardino-South Coast County, Annual

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

tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LDT2	0.00	0.17
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD1	0.00	0.03
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	LHD2	0.00	7.1960e-003
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MCY	0.00	0.03
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MDV	0.00	0.14
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MH	0.00	5.0710e-003
tblFleetMix	MHD	0.00	0.01
tblFleetMix	MHD	0.00	0.01
tblFleetMix	MHD	0.00	0.01
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	OBUS	0.00	5.5900e-004
tblFleetMix	SBUS	0.00	9.5400e-004
tblFleetMix	SBUS	0.00	9.5400e-004
tblFleetMix	SBUS	0.00	9.5400e-004
tblFleetMix	UBUS	0.00	2.5400e-004
tblFleetMix	UBUS	0.00	2.5400e-004
tblFleetMix	UBUS	0.00	2.5400e-004

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

tblGrading	MaterialImported	0.00	188.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	35.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	509.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	32
tblProjectCharacteristics	WindSpeed	0	2.2
tblTripsAndVMT	HaulingTripNumber	19.00	20.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	223.00	224.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

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

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	25.43	40.05	-15.62	0.00	54.48	90.40	63.62	54.66	89.80	69.59	0.00	0.00	0.00	0.00	0.00	0.00

6th and Victoria Warehouse Project HRA - San Bernardino-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	2-1-2022	4-30-2022	1.1390	0.5366
2	5-1-2022	7-31-2022	0.6294	0.4374
3	8-1-2022	9-30-2022	0.3992	0.3404
		Highest	1.1390	0.5366

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Energy	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	202.5277	202.5277	0.0116	1.9300e-003	203.3942
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
Offroad	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Waste						0.0000	0.0000		0.0000	0.0000	58.6603	0.0000	58.6603	3.4667	0.0000	145.3285
Water						0.0000	0.0000		0.0000	0.0000	22.5546	214.1368	236.6913	2.3304	0.0564	311.7530
Total	1.7414	4.3969	5.2410	7.1300e-003	0.0000	0.2721	0.2721	0.0000	0.2506	0.2506	81.2149	1,027.7023	1,108.9172	6.0064	0.0583	1,276.4549

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Energy	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	202.5277	202.5277	0.0116	1.9300e-003	203.3942
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
Offroad	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Waste						0.0000	0.0000		0.0000	0.0000	58.6603	0.0000	58.6603	3.4667	0.0000	145.3285
Water						0.0000	0.0000		0.0000	0.0000	22.5546	214.1368	236.6913	2.3304	0.0564	311.7530
Total	1.7414	4.3969	5.2410	7.1300e-003	0.0000	0.2721	0.2721	0.0000	0.2506	0.2506	81.2149	1,027.7023	1,108.9172	6.0064	0.0583	1,276.4549

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	2/28/2022	5	20	
2	Site Preparation	Site Preparation	3/1/2022	3/14/2022	5	10	

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

3	Grading	Grading	3/15/2022	4/25/2022	5	30
4	Building Construction	Building Construction	4/26/2022	8/19/2022	5	84
5	Paving	Paving	8/20/2022	9/16/2022	5	20
6	Architectural Coating	Architectural Coating	9/17/2022	10/14/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 5.12****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 461,144; Non-Residential Outdoor: 153,715; Striped Parking Area: 13,380 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

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

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	114.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	20.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	9	224.00	88.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 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					0.0124	0.0000	0.0124	1.8800e-003	0.0000	1.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0124	0.0124	0.0248	1.8800e-003	0.0116	0.0134	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	1.3300e-003	1.0500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.2139	0.2139	1.0000e-005	3.0000e-005	0.2241
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	9.0000e-005	9.4000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0465	0.0465	2.0000e-005	1.0000e-005	0.0500
Total	3.2000e-004	1.4200e-003	1.9900e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2604	0.2604	3.0000e-005	4.0000e-005	0.2741

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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 - 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					5.5700e-003	0.0000	5.5700e-003	8.4000e-004	0.0000	8.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8400e-003	0.1356	0.2467	3.9000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	5.8400e-003	0.1356	0.2467	3.9000e-004	5.5700e-003	6.2000e-004	6.1900e-003	8.4000e-004	6.2000e-004	1.4600e-003	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	1.3300e-003	1.0500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.2139	0.2139	1.0000e-005	3.0000e-005	0.2241
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	9.0000e-005	9.4000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0465	0.0465	2.0000e-005	1.0000e-005	0.0500
Total	3.2000e-004	1.4200e-003	1.9900e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2604	0.2604	3.0000e-005	4.0000e-005	0.2741

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0983	8.0600e-003	0.1064	0.0505	7.4200e-003	0.0579	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	5.0000e-005	5.3000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0262	0.0262	1.0000e-005	1.0000e-005	0.0281
Total	1.3000e-004	5.0000e-005	5.3000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0262	0.0262	1.0000e-005	1.0000e-005	0.0281

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 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					0.0442	0.0000	0.0442	0.0227	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4800e-003	0.0608	0.1148	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	3.4800e-003	0.0608	0.1148	1.9000e-004	0.0442	3.1000e-004	0.0445	0.0227	3.1000e-004	0.0230	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	5.0000e-005	5.3000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0262	0.0262	1.0000e-005	1.0000e-005	0.0281
Total	1.3000e-004	5.0000e-005	5.3000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0262	0.0262	1.0000e-005	1.0000e-005	0.0281

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633
Total	0.0544	0.5827	0.4356	9.3000e-004	0.1381	0.0245	0.1626	0.0548	0.0226	0.0774	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.3000e-004	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0375	0.0375	0.0000	1.0000e-005	0.0393
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	1.8000e-004	1.7500e-003	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0872	0.0872	4.0000e-005	2.0000e-005	0.0937
Total	4.5000e-004	4.1000e-004	1.9300e-003	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1247	0.1247	4.0000e-005	3.0000e-005	0.1330

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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					0.0621	0.0000	0.0621	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.2891	0.5508	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632
Total	0.0152	0.2891	0.5508	9.3000e-004	0.0621	1.5200e-003	0.0636	0.0247	1.5200e-003	0.0262	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.3000e-004	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0375	0.0375	0.0000	1.0000e-005	0.0393
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	1.8000e-004	1.7500e-003	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0872	0.0872	4.0000e-005	2.0000e-005	0.0937
Total	4.5000e-004	4.1000e-004	1.9300e-003	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1247	0.1247	4.0000e-005	3.0000e-005	0.1330

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 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	0.0717	0.6559	0.6873	1.1300e-003		0.0340	0.0340		0.0320	0.0320	0.0000	97.3246	97.3246	0.0233	0.0000	97.9075
Total	0.0717	0.6559	0.6873	1.1300e-003		0.0340	0.0340		0.0320	0.0320	0.0000	97.3246	97.3246	0.0233	0.0000	97.9075

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8700e-003	0.0526	0.0397	9.0000e-005	7.4000e-004	1.0000e-004	8.4000e-004	2.2000e-004	1.0000e-004	3.2000e-004	0.0000	8.2917	8.2917	2.3000e-004	1.3000e-003	8.6835
Worker	0.0139	5.5400e-003	0.0550	3.0000e-005	1.4200e-003	5.0000e-005	1.4800e-003	3.9000e-004	5.0000e-005	4.4000e-004	0.0000	2.7340	2.7340	1.2500e-003	5.8000e-004	2.9387
Total	0.0167	0.0582	0.0947	1.2000e-004	2.1600e-003	1.5000e-004	2.3200e-003	6.1000e-004	1.5000e-004	7.6000e-004	0.0000	11.0258	11.0258	1.4800e-003	1.8800e-003	11.6222

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 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					
Off-Road	0.0322	0.4500	0.7591	1.1300e-003		4.2700e-003	4.2700e-003		4.2700e-003	4.2700e-003	0.0000	97.3245	97.3245	0.0233	0.0000	97.9074
Total	0.0322	0.4500	0.7591	1.1300e-003		4.2700e-003	4.2700e-003		4.2700e-003	4.2700e-003	0.0000	97.3245	97.3245	0.0233	0.0000	97.9074

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8700e-003	0.0526	0.0397	9.0000e-005	7.4000e-004	1.0000e-004	8.4000e-004	2.2000e-004	1.0000e-004	3.2000e-004	0.0000	8.2917	8.2917	2.3000e-004	1.3000e-003	8.6835
Worker	0.0139	5.5400e-003	0.0550	3.0000e-005	1.4200e-003	5.0000e-005	1.4800e-003	3.9000e-004	5.0000e-005	4.4000e-004	0.0000	2.7340	2.7340	1.2500e-003	5.8000e-004	2.9387
Total	0.0167	0.0582	0.0947	1.2000e-004	2.1600e-003	1.5000e-004	2.3200e-003	6.1000e-004	1.5000e-004	7.6000e-004	0.0000	11.0258	11.0258	1.4800e-003	1.8800e-003	11.6222

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	6.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0177	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	9.0000e-005	9.4000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0465	0.0465	2.0000e-005	1.0000e-005	0.0500
Total	2.4000e-004	9.0000e-005	9.4000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0465	0.0465	2.0000e-005	1.0000e-005	0.0500

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 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					
Off-Road	4.8300e-003	0.1007	0.1662	2.3000e-004		1.2900e-003	1.2900e-003		1.2100e-003	1.2100e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	6.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0115	0.1007	0.1662	2.3000e-004		1.2900e-003	1.2900e-003		1.2100e-003	1.2100e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	9.0000e-005	9.4000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0465	0.0465	2.0000e-005	1.0000e-005	0.0500
Total	2.4000e-004	9.0000e-005	9.4000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0465	0.0465	2.0000e-005	1.0000e-005	0.0500

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 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	0.2626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	0.2646	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	2.7000e-004	2.6900e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1337	0.1337	6.0000e-005	3.0000e-005	0.1437
Total	6.8000e-004	2.7000e-004	2.6900e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1337	0.1337	6.0000e-005	3.0000e-005	0.1437

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 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					
Archit. Coating	0.2626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	0.0106	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	0.2631	0.0106	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	2.7000e-004	2.6900e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1337	0.1337	6.0000e-005	3.0000e-005	0.1437
Total	6.8000e-004	2.7000e-004	2.6900e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1337	0.1337	6.0000e-005	3.0000e-005	0.1437

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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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

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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
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Unrefrigerated Warehouse-No Rail	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

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	169.5525	169.5525	0.0110	1.3300e-003	170.2230
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	169.5525	169.5525	0.0110	1.3300e-003	170.2230
NaturalGas Mitigated	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
NaturalGas Unmitigated	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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					
Other 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
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
Unrefrigerated Warehouse-No Rail	617932	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
Total		3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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					
Other 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
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
Unrefrigerated Warehouse-No Rail	617932	3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712
Total		3.3300e-003	0.0303	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9752	32.9752	6.3000e-004	6.0000e-004	33.1712

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	19733	4.5647	3.0000e- 004	4.0000e- 005	4.5828
Unrefrigerated Warehouse-No Rail	713235	164.9878	0.0107	1.2900e- 003	165.6403
Total		169.5525	0.0110	1.3300e- 003	170.2230

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	19733	4.5647	3.0000e-004	4.0000e-005	4.5828
Unrefrigerated Warehouse-No Rail	713235	164.9878	0.0107	1.2900e-003	165.6403
Total		169.5525	0.0110	1.3300e-003	170.2230

6.0 Area Detail**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Unmitigated	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

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	0.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3000e-004	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Total	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

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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	0.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3000e-004	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140
Total	1.2715	6.0000e-005	6.7700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0132	0.0132	3.0000e-005	0.0000	0.0140

7.0 Water Detail**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	236.6913	2.3304	0.0564	311.7530
Unmitigated	236.6913	2.3304	0.0564	311.7530

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	71.0932 / 0	236.6913	2.3304	0.0564	311.7530
Total		236.6913	2.3304	0.0564	311.7530

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	71.0932 / 0	236.6913	2.3304	0.0564	311.7530
Total		236.6913	2.3304	0.0564	311.7530

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	58.6603	3.4667	0.0000	145.3285
Unmitigated	58.6603	3.4667	0.0000	145.3285

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	288.98	58.6603	3.4667	0.0000	145.3285
Total		58.6603	3.4667	0.0000	145.3285

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	288.98	58.6603	3.4667	0.0000	145.3285
Total		58.6603	3.4667	0.0000	145.3285

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	35	8.00	260	89	0.20	Diesel

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652
Total	0.4666	4.3665	5.2088	6.9500e-003		0.2698	0.2698		0.2482	0.2482	0.0000	611.0247	611.0247	0.1976	0.0000	615.9652

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation

Table 1. Operational Mobile Source Vehicle Data

Vehicle Type	EMFAC Class	Average Daily Trip Length (miles)	Average Daily Trips	Annual Trips*	Peak Daily VMT	Annual VMT
Passenger Vehicles	LDA, LDT1, LDT2	16.6	388	141,620	6,441	2,350,892
Trucks	LHDT1, LHDT2, MHDT, HHDT	40	147	53,655	5,880	2,146,200

* 52 weeks per year, 7 days per week

	Percent of Total	Percent of Trucks	Number of Trucks	
2-Axle Trucks	4.6%	17%	25	LHDT1 & LHDT2
3-Axle Trucks	5.7%	21%	30	MHDT
4+-Axle Trucks	17.2%	63%	92	HHDT
	28%	100%	147	535

LDA = light duty automobile; LDT1 = light duty trucks (0 to 3,750 pounds); LDT2 = light duty trucks (3,751 to 5,750 pounds); MDV = medium-duty trucks (5,751 to 8,500 pounds); LHDT1 = light heavy-duty trucks (8,501 to 10,000 pounds); LHDT2 = light heavy-duty trucks (10,001 to 14,000 pounds); MHD = medium heavy-duty trucks; HHD = heavy heavy-duty trucks; OBUS = other buses; UBUS = urban buses; MCY = motorcycles; SBUS = school buses; MH = motor homes.

Table 1 - Trip Generation Estimates (6th and Victoria Warehouse)

Land Use	ITE Code	Size/Units	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
TRIP RATES									
Warehousing	150	TSF	1.74	0.13	0.04	0.17	0.05	0.14	0.19
TRIP GENERATION									
6th and Victoria Warehouse	150	307.445 TSF	535	40	12	52	16	43	58
TRIP GENERATION (by Vehicle Classification)									
Vehicle Mix ²		Percent ²							
Passenger Vehicles		72.5%	388	29	9	38	11	31	42
2-Axle Trucks		4.6%	25	2	1	2	1	2	3
3-Axle Trucks		5.7%	30	2	1	3	1	2	3
4+-Axle Trucks		17.2%	92	7	2	9	3	7	10
Warehousing Subtotal (Non-PCE)			535	40	12	52	16	43	58
		PCE Factor ³							
Passenger Vehicles		1.0	388	29	9	38	11	31	42
2-Axle Trucks		1.5	37	3	1	4	1	3	4
3-Axle Trucks		2.0	61	5	1	6	2	5	7
4+-Axle Trucks		3.0	276	21	6	27	8	22	30
Total Trip Generation (w/PCE)			762	57	17	74	22	61	83

Notes: TSF = Thousand Square Feet; PCE = Passenger Car Equivalent

¹ Trip rates from the Institute of Transportation Engineers (ITE), *Trip Generation*, 10th Edition, 2017.

² Vehicle Mix and Percent from SCAQMD, Warehouse Truck Trip Study Data Results and Usage, July 2014.

³ Passenger Car Equivalent (PCE) factors per San Bernardino County Transportation Authority (SBCTA).

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN

Model Year: Aggregated

Speed: Aggregated

Model Year: Aggregated Speed: Aggregated														Converts g/v/d to g/trip	
							g/mile	g/v/d	g/trip	g/trip	g/trip	N/A	g/v/d		
Region	Calendar Year	Vehicle Category	Fuel	Population	Total VMT	Trips								STEX HOTSOAK RUNLOSS	DIURN
							ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS*	ROG_DIURN	ROG_Combined_g/trip (Calculated)	ROG_Combined_g/trip (Calculated)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	2.523001547	0	0.000382183	0.149873769	1.334494242	12.02424599			
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	0.013318639	7.471626227	0	0	0	0			
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0	0	0	0			
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	0.047239449	0.374958439	0	0	0	0			
							0.014737	6.867850	0.000000	0.000067	0.000599	0.004550	0.000666	0.00027	
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	0.009971811	0	0.332442611	0.094831869	0.238651766	1.636276825			
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	0.03018483	0	0	0	0	0			
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0	0	0	0			
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	0.001301376	0	0.737946352	0.035081281	0.031059032	0.528055787			
							0.009426	0.000000	0.329553	0.089790	0.224586	1.552738	0.643929	0.33293	
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	0.046634573	0	0.765323758	0.253387999	0.768706396	4.487124661			
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	0.307795639	0	0	0	0	0			
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0	0	0	0			
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	0.00117756	0	0.73819219	0.020911224	0.01856525	0.317684091			
							0.046565	0.000000	0.764185	0.252822	0.766951	4.477533	1.783958	1.040634	
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	0.013802031	0	0.416044247	0.093326401	0.253569227	1.719871379			
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	0.014195672	0	0	0	0	0			
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0	0	0	0			
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	0.001224655	0	0.738124145	0.022218622	0.020647249	0.355289847			
							0.013651	0.000000	0.415174	0.092160	0.250131	1.699323	0.757465	0.363796	
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	0.03590082	0.437186794	0.179800394	0.058570029	0.327061747	3.688679382			
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	284,370.06	0.11968244	0.109759705	0	0	0	0			
							0.072035	0.298437	0.110928	0.036135	0.201781	2.125577	0.348844	0.152749	
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	0.018824088	0.445059209	0.171951849	0.049559977	0.262449486	3.112376434			
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	0.101183467	0.109759705	0	0	0	0			
							0.075282	0.220706	0.063514	0.018306	0.096941	1.029847	0.178761	0.077163	
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	0.066350383	0.999093519	0.265501875	0.038788413	0.308890165	3.519289284			
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0.015867348	0.229068954	0	0	0	0			
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0	0	0	0			
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	0.006623307	0.256656334	0	0	0	0			
							0.023382	0.322926	0.048628	0.007104	0.056575	0.428312	0.112307	0.032216	

*No RestLoss in 2021 EMFAC

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOS

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Year	Vehicle Category	Fuel	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	10.93866835	0	1.088387534
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	1.687390368	90.36634286	2.564208417
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	1.185160856	9.025734384	0
							1.669978	83.440456	2.487195
San Bernardino	2023	LDA	Gasoline	773664.0019	33073440.07	3,594,279	0.216415217	0	0.512764413
San Bernardino	2023	LDA	Diesel	2221.377014	77366.16142	9,542	1.674949609	0	0
San Bernardino	2023	LDA	Electricity	27031.11036	1265339.001	136,161	0	0	0
San Bernardino	2023	LDA	Plug-in Hybrid	18746.83605	952397.5179	92,141	0.002760963	0	0.455918725
							0.206110	0.000000	0.491902
San Bernardino	2023	LDT1	Gasoline	73981.30063	2503906.499	318,283	0.216415217	0	0.512764413
San Bernardino	2023	LDT1	Diesel	29.71832479	424.1576698	86	1.674949609	0	0
San Bernardino	2023	LDT1	Electricity	77.71161154	3326.268317	379	0	0	0
San Bernardino	2023	LDT1	Plug-in Hybrid	54.94776125	2871.629963	270	0.002760963	0	0.455918725
							0.216131	0.000000	0.511969
San Bernardino	2023	LDT2	Gasoline	323145.0561	13160212.62	1,508,164	0.086049087	0	0.369274059
San Bernardino	2023	LDT2	Diesel	896.7674867	39572.03037	4,323	0.062098551	0	0
San Bernardino	2023	LDT2	Electricity	1343.40021	49491.30666	6,900	0	0	0
San Bernardino	2023	LDT2	Plug-in Hybrid	2108.13437	106791.6185	10,361	0.002870703	0	0.455910811
							0.084994	0.000000	0.367152
San Bernardino	2023	LHDT1	Gasoline	30742.28663	1119163.828	458,014	0.229195767	0.038184598	0.662209964
San Bernardino	2023	LHDT1	Diesel	22607.19394	848721.5839	284,370	2.221403215	2.196319296	0
							1.088407	0.952708	0.408551
San Bernardino	2023	LHDT2	Gasoline	4697.68606	167949.3596	69,989	0.178424989	0.038818721	0.677113791
San Bernardino	2023	LHDT2	Diesel	9499.536898	366079.7752	119,492	1.619973669	2.145511293	0
							1.166614	1.448433	0.250106
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	0.510534207	0.08900702	0.443181849
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0.85748137	12.33545864	1.609753533
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	0.103518462	6.564051136	0
							0.797457	10.782648	1.384568

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RI

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Year	Vehicle Category	Fuel	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	152.9306919	0	2.688844552
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	0.056926344	109.5037774	0
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	9.557579967	67.06597912	0
							0.404093	105.817557	0.001207
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	0.804159734	0	3.221113315
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	0.344787947	0	0
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	0.2206745	0	5.277479704
							0.758673	0.000000	3.148086
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	2.178167691	0	7.281529369
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	1.975047938	0	0
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	0.199994645	0	5.279327843
							2.172985	0.000000	7.269223
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	0.975602496	0	3.892357014
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	0.124159986	0	0
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	0.207959741	0	5.2788163
							0.963327	0.000000	3.873193
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	1.36828828	3.746149767	2.963696863
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	835,716.18	0.421591823	0.909745076	0
							0.959991	2.544205	1.049226
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	0.882320552	3.76064121	2.896838071
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	0.301660398	0.909745076	0
							0.484275	1.853071	1.070005
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	1.688956979	14.31641464	5.678116596
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0.065360054	7.328001779	0
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	2.031419116	32.16699306	0
							0.329642	8.414108	1.039971

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, H

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Y	Vehicle Cal	Fuel	Population	VMT	Trips	SOx_RUNEX (g/mile)	SOx_IDLEX (g/vehicle/day)	SOx_STREX (g/trip)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	0.023453424	0	0.000522874
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	0.014960226	0.16721729	0
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	0	0	0
							0.014431	0.153001	0.000000
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	0.002868619	0	0.000706946
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	0.002300323	0	0
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	0.001353908	0	0.00073082
							0.002724	0.000000	0.000681
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	0.003448093	0	0.000922754
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	0.004040835	0	0
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	0.001227497	0	0.000789138
							0.003441	0.000000	0.000921
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	0.003559742	0	0.000893834
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	0.00304376	0	0
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	0.001276334	0	0.000851797
							0.003527	0.000000	0.000887
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	2.963696863	0.006407763	0.001197174
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	835,716.18	0	0.004681326	0.001282066
							1.685496	0.005676	0.001252
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	2.896838071	0.007141987	0.001384785
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	0	0.005617274	0.002046384
							0.911040	0.006122	0.001802
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	5.678116596	0.016362195	0.005407052
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0	0.010264454	0.020638138
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	0	0	0
							0.855998	0.010902	0.017701

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Year	Vehicle Category	Fuel	Population	VMT	Trips	PM10_RUNEX (g/mile)	PM10_IDLEX (g/vehicle/day)	PM10_STREX (g/trip)	PM10_PMTW (g/mile)	PM10_PMBW (g/mile)	PM10_Combined_g/mile (Calculated)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	0.005070604	0	0.002448353	0.020000006	0.09033404	
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	0.031755092	0.039926732	0	0.035615569	0.072901572	
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0	0.035616678	0.036708697	
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	0.002093404	0.010640068	0	0.03600001	0.175176076	
							0.030701	0.037424	0.000001	0.035628	0.076472	0.142801
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	0.001321457	0	0.00217133	0.008000002	0.006714878	
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	0.019753995	0	0	0.008000002	0.006633774	
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0	0.008000002	0.004364243	
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	0.000702466	0	0.002295533	0.008000002	0.003728175	
							0.001298	0.000000	0.002092	0.008000	0.006550	0.015848
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	0.002418354	0	0.003862996	0.008000002	0.008064628	
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	0.251549979	0	0	0.008000002	0.008739447	
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0	0.008000002	0.004374593	
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	0.000416849	0	0.001516934	0.008000002	0.003767529	
							0.002455	0.000000	0.003855	0.008000	0.008055	0.018510
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	0.001353968	0	0.002184655	0.008000002	0.007674884	
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	0.0065461	0	0	0.008000002	0.007354462	
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0	0.008000002	0.00435517	
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	0.000528669	0	0.001845242	0.008000002	0.003748171	
							0.001358	0.000000	0.002166	0.008000	0.007630	0.016988
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	0.001284932	0	0.00041573	0.008000002	0.078000022	
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	835,716.18	0.030889214	0.027772241	0	0.012000003	0.078000022	
							0.014053	0.011769	0.000147	0.009725	0.078000	0.101778
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	0.001054957	0	0.000291344	0.008000002	0.091000026	
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	0.027042437	0.027480154	0	0.012000003	0.091000026	
							0.018870	0.018387	0.000108	0.010742	0.091000	0.120612
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	0.000998706	0	0.000553616	0.012000003	0.042141073	
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0.011563755	0.025187133	0	0.012000003	0.042351235	
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0	0.012000003	0.021176527	
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	0.000767382	0.018484701	0	0.012000003	0.042432046	
							0.009861	0.022043	0.000101	0.012000	0.042315	0.064176

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Year	Vehicle Category	Fuel	Population	VMT	Trips	PM2.5_RUNEX (g/mile)	PM2.5_IDLEX (g/vehicle/day)	PM2.5_STREX (g/trip)	PM2.5_PMTW (g/mile)	PM2.5_PMBW (g/mile)	PM2.5_Combined_g/mile (Calculated)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	0.004662233	0	0.00225117	0.005000001	0.031616914	
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	0.030381381	0.038199519	0	0.008903892	0.02551555	
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0	0.00890417	0.012848044	
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	0.001924808	0.00978315	0	0.009000003	0.061311627	
							0.029370	0.035772	0.000001	0.008907	0.026765	0.065042
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	0.001215043	0	0.001996515	0.002000001	0.002350207	
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	0.018899446	0	0	0.002000001	0.002321821	
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0	0.002000001	0.001527485	
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	0.000645891	0	0.002110658	0.002000001	0.001304861	
							0.001195	0.000000	0.001923	0.002000	0.002293	0.005488
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	0.002223713	0	0.00355215	0.002000001	0.00282262	
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	0.240668038	0	0	0.002000001	0.003058807	
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0	0.002000001	0.001531108	
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	0.000383277	0	0.001394765	0.002000001	0.001318635	
							0.002259	0.000000	0.003545	0.002000	0.002819	0.007078
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	0.001244935	0	0.002008736	0.002000001	0.002686209	
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	0.006262919	0	0	0.002000001	0.002574062	
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0	0.002000001	0.00152431	
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	0.000486092	0	0.001696632	0.002000001	0.001311186	
							0.001249	0.000000	0.001992	0.002000	0.002671	0.005920
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	0.001181447	0	0.000382249	0.002000001	0.027300008	
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	835,716.18	0.02955296	0.026570826	0	0.003000001	0.027300008	
							0.013418	0.011260	0.000135	0.002431	0.027300	0.043149
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	0.000969994	0	0.00026788	0.002000001	0.031850009	
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	0.025872593	0.026291374	0	0.003000001	0.031850009	
							0.018041	0.017592	0.000099	0.002686	0.031850	0.052577
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	0.000918273	0	0.000509029	0.003000001	0.014749376	
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0.011063512	0.024097548	0	0.003000001	0.014822932	
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0	0.003000001	0.007411785	
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	0.000705579	0.016996	0	0.003000001	0.014851216	
							0.009428	0.021083	0.000093	0.003000	0.014810	0.027238

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Year	Vehicle Category	Fuel	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
							(g/mile)	(g/vehicle/day)	(g/trip)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	2372.383267	0	52.89020861
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	1579.849023	17658.69583	0
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	1166.150029	7750.629747	0
							1564.789607	16807.293321	0.023744
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	290.1693192	0	71.50967622
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	242.7650796	0	0
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	136.9517547	0	73.92459537
							275.558763	0.000000	68.848849
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	348.7848062	0	93.33925041
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	426.45053	0	0
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	124.164914	0	79.8236253
							348.078885	0.000000	93.191786
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	360.0784711	0	90.41391548
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	321.2239051	0	0
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	129.104997	0	86.1618289
							356.782266	0.000000	89.721819
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	648.1642177	121.0976828	25.59509279
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	835,716.18	494.0448182	135.3031133	0
							581.694666	127.117328	9.061329
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	722.4331568	140.0751387	25.68104209
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	592.8203674	215.9655759	0
							633.582909	190.854366	9.485809
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	1655.084427	546.9393572	46.77449167
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	1083.96014	2179.455225	0
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	802.9007205	5277.54352	0
							1166.976861	2009.467930	8.566945

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Year	Vehicle Category	Fuel	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	0.393233116	0	7.41403E-05
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	0.000618616	0.347037687	0
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	1.947414389	21.37712904	0
							0.068863	2.110007	0.000000
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	0.002618002	0	0.073673378
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	0.001402028	0	0
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	0.000340352	0	0.149984277
							0.002460	0.000000	0.072707
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	0.010296989	0	0.141788587
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	0.014296519	0	0
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	0.000304936	0	0.148737381
							0.010273	0.000000	0.141588
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	0.003457706	0	0.088941095
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	0.000659362	0	0
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	0.000317474	0	0.148873809
							0.003411	0.000000	0.088695
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	0.007142503	0.118738649	0.036200828
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	835,716.18	0.005559021	0.005098128	0
							0.006460	0.070583	0.012816
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	0.004056809	0.12222566	0.035226674
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	0.004699779	0.005098128	0
							0.004498	0.043854	0.013012
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	0.013496902	0.260424334	0.049022766
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0.000736997	0.01063966	0
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	0.463556453	17.9630355	0
							0.007259	0.214183	0.008979

Source: EMFAC2021 (v1.0) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK

Model Year: Aggregated

Speed: Aggregated

Region	Calendar Year	Vehicle Category	Fuel	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
San Bernardino	2023	HHDT	Gasoline	10.85	421.76	217.01	0.266146947	0	0.022717316
San Bernardino	2023	HHDT	Diesel	26,225.50	4,341,337.17	468,766.09	0.248905857	2.782134719	0
San Bernardino	2023	HHDT	Electricity	22.61	1,821.41	416.63	0	0	0
San Bernardino	2023	HHDT	Natural Gas	2,403.33	157,707.60	13,976.16	0.237727312	1.580016577	0
							0.248415	2.678090	0.000010
San Bernardino	2023	LDA	Gasoline	773,664.00	33,073,440.07	3,594,279.08	0.004966419	0	0.033875975
San Bernardino	2023	LDA	Diesel	2,221.38	77,366.16	9,541.62	0.038247737	0	0
San Bernardino	2023	LDA	Electricity	27,031.11	1,265,339.00	136,160.71	0	0	0
San Bernardino	2023	LDA	Plug-in Hybrid	18,746.84	952,397.52	92,140.70	0.000382931	0	0.057254585
							0.004738	0.000000	0.033150
San Bernardino	2023	LDT1	Gasoline	73,981.30	2,503,906.50	318,282.97	0.014447208	0	0.044571999
San Bernardino	2023	LDT1	Diesel	29.72	424.16	86.29	0.067187455	0	0
San Bernardino	2023	LDT1	Electricity	77.71	3,326.27	378.62	0	0	0
San Bernardino	2023	LDT1	Plug-in Hybrid	54.95	2,871.63	270.07	0.000340337	0	0.056187545
							0.014421	0.000000	0.044517
San Bernardino	2023	LDT2	Gasoline	323,145.06	13,160,212.62	1,508,164.10	0.006914124	0	0.03921074
San Bernardino	2023	LDT2	Diesel	896.77	39,572.03	4,322.63	0.050608957	0	0
San Bernardino	2023	LDT2	Electricity	1,343.40	49,491.31	6,899.92	0	0	0
San Bernardino	2023	LDT2	Plug-in Hybrid	2,108.13	106,791.62	10,361.48	0.000354657	0	0.056308221
							0.006966	0.000000	0.039039
San Bernardino	2023	LHDT1	Gasoline	30,742.29	1,119,163.83	458,014.26	0.012545865	0.003032617	0.051584569
San Bernardino	2023	LHDT1	Diesel	22,607.19	848,721.58	284,370.06	0.077836962	0.021317061	0
							0.040705	0.010781	0.031825
San Bernardino	2023	LHDT2	Gasoline	4,697.69	167,949.36	69,988.52	0.01075315	0.003117405	0.052767568
San Bernardino	2023	LHDT2	Diesel	9,499.54	366,079.78	119,492.22	0.09339909	0.034025464	0
							0.067407	0.023798	0.019491
San Bernardino	2023	MHDT	Gasoline	2,420.65	143,249.01	48,432.35	0.024959669	0.007422973	0.033480589
San Bernardino	2023	MHDT	Diesel	17,266.34	797,273.16	214,109.65	0.170778362	0.343374058	0
San Bernardino	2023	MHDT	Electricity	10.81	253.85	138.51	0	0	0
San Bernardino	2023	MHDT	Natural Gas	191.83	9,442.20	1,754.30	0.163676564	1.075861771	0
							0.148679	0.309366	0.006132

Operation Mobile Source Emissions Factors - EMFAC2021

Emission Factors: Summary

Vehicle Classes	Fuel	Percent	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
HHDT	Gas, Diesel, NG	63%	0.015	1.670	0.404	0.014	0.143	0.065	1,564.790	0.069	0.248
MHDT	Gas, Diesel, NG	21%	0.023	0.797	0.330	0.856	0.064	0.027	1,166.977	0.007	0.149
LHDT1&2 Composite	Gas, Diesel	17%	0.073	1.105	0.858	1.520	0.106	0.045	592.770	0.013	0.046
LHDT1	Gas, Diesel	N/A	0.072	1.088	0.960	1.685	0.102	0.043	581.695	0.004	0.041
LHDT2	Gas, Diesel	N/A	0.075	1.167	0.484	0.911	0.121	0.053	633.583	0.044	0.067
HD Composite	All (weighted)	100%	0.026	1.395	0.465	0.441	0.120	0.054	1319.742	0.047	0.194
LDA	Gas, Electric, & Diesel		0.009	0.206	0.759	0.003	0.016	0.005	275.559	0.002	0.005
LDT1	Gas, Electric, & Diesel		0.047	0.216	2.173	0.003	0.019	0.007	348.079	0.010	0.014
LDT2	Gas, Electric, & Diesel		0.014	0.085	0.963	0.004	0.017	0.006	356.782	0.003	0.007
LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (weighted)		0.012	0.175	0.881	0.003	0.016	0.006	300.286	0.003	0.006

Vehicle Classes	Fuel	Percent	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative (grams/trip)								
HHDT	Gas, Diesel, NG	63%	0.001	2.487	0.001	0.0000	0.0000	0.0000	0.024	0.000	0.000
MHDT	Gas, Diesel, NG	21%	0.112	1.385	1.040	0.0177	0.0001	0.0001	8.567	0.009	0.006
LHDT1&2 Composite	Gas, Diesel	17%	0.314	0.376	1.053	0.001	0.000	0.000	9.148	0.013	0.029
LHDT1	Gas, Diesel	N/A	0.349	0.409	1.049	0.0013	0.0001	0.0001	9.061	0.013	0.032
LHDT2	Gas, Diesel	N/A	0.179	0.250	1.070	0.0018	0.0001	0.0001	9.486	0.013	0.019
HD Composite	All (weighted)	100%	0.076	1.906	0.393	0.0039	0.00004	0.000	3.321	0.004	0.006
LDA	Gas, Electric, & Diesel		0.644	0.492	3.148	0.001	0.002	0.002	68.849	0.073	0.033
LDT1	Gas, Electric, & Diesel		1.784	0.512	7.269	0.001	0.004	0.004	93.192	0.142	0.045
LDT2	Gas, Electric, & Diesel		0.757	0.367	3.873	0.001	0.002	0.002	89.722	0.089	0.039
LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (weighted)		0.739	0.459	3.575	0.001	0.002	0.002	75.837	0.081	0.035

Vehicle Classes	Fuel	Percent	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Resting Loss Evap and Diurnal Loss Evap (grams/trip)								
HHDT	Gas, Diesel, NG	63%	0.00027	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MHDT	Gas, Diesel, NG	21%	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LHDT1&2 Composite	Gas, Diesel	17%	0.137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LHDT1	Gas, Diesel	N/A	0.153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LHDT2	Gas, Diesel	N/A	0.077	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HD Composite	All (weighted)	100%	0.030	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000
LDA	Gas, Electric, & Diesel		0.333	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LDT1	Gas, Electric, & Diesel		1.041	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LDT2	Gas, Electric, & Diesel		0.364	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (weighted)		0.384	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vehicle Classes	Fuel	Percent	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
HHDT	Gas, Diesel, NG	63%	0.063	0.763	0.967	0.001	0.000	0.000	153.632	0.019	0.024
MHDT	Gas, Diesel, NG	21%	0.055	1.840	1.436	0.002	0.004	0.004	342.913	0.037	0.053
LHDT1&2 Composite	Gas, Diesel	17%	0.160	0.595	1.363	0.003	0.007	0.007	79.152	0.037	0.008
LHDT1	Gas, Diesel	N/A	0.172	0.548	1.462	0.003	0.007	0.006	73.056	0.041	0.006
LHDT2	Gas, Diesel	N/A	0.118	0.775	0.991	0.003	0.010	0.009	102.061	0.023	0.013
HD Composite	All (weighted)	100%	0.077	0.958	1.131	0.002	0.002	0.002	180.406	0.026	0.028

Notes:

Idle Duration:

HHDT	109.4 min/day
MHDT	5.86 min/day
LHDT1	1.74 min/day
LHDT2	1.87 min/day

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: San Bernardino

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Speed: Aggregated

								Emission Factors								
Vehicle Type	EMFAC Class	Average Daily Trip Length (miles)	Avg. Daily Trips (trips/day)	Avg. Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)	Idling Minutes per Day (min/day)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
Passenger Vehicles								<u>Running Exhaust, Running Loss, Tire Wear, and Break Wear (grams/mile)</u>								
	LDA, LDT1, LDT2	16.6	388	6,441	141,620	2,350,892	N/A	0.012347	0.175028	0.881324	0.002968461	0.016276	0.005679	300.2857	0.003091	0.005793
								<u>Starting Exhaust, Hot Soak, Running Loss Evaporative (grams/trip)</u>								
								0.738522	0.459436	3.574771	0.000749949	0.002211	0.002033	75.83653	0.08088	0.035374
								<u>Resting Loss Evap and Diurnal Loss Evap (grams/vehicle/day)</u>								
								0.384087	0	0	0	0	0	0	0	0
							<u>Paved Road (PM only, grams/mile)</u>									
								N/A	N/A	N/A	N/A	0.29985	0.073599	N/A	N/A	N/A
Trucks								<u>Running Exhaust, Running Loss, Tire Wear, and Break Wear (grams/mile)</u>								
	LHDT1, LHDT2, MHDT, HHDT	40	147	5,880	53,655	2,146,200	15	0.026229	1.39464	0.464663	0.440737263	0.120315	0.053881	1319.742	0.046733	0.193952
								<u>Starting Exhaust, Hot Soak, Running Loss Evaporative (grams/trip)</u>								
								0.076262	1.905561	0.392526	0.00390	0.00004	0.00004	3.320696	0.004012	0.006181
								<u>Resting Loss Evap and Diurnal Loss Evap (grams/trip)</u>								
								0.02974	0	0	0	0	0	0	0	0
							<u>Idling (grams/minute/vehicle)</u>									
								0.077496	0.958	1.130603	0.001806407	0.002233	0.002136	180.406	0.025823	0.02752
							<u>Paved Road (PM only, grams/mile)</u>									
								N/A	N/A	N/A	N/A	1.680004	0.412365	N/A	N/A	N/A
Total:																
Passenger Vehicles and Trucks																

Proposed Project Operational Mobile Source Emissions Summary - EMFAC2017

								Emissions - Daily (Pounds/day)										
Vehicle Type	EMFAC Class	Average Daily Trip Length (miles)	Avg. Daily Trips (trips/day)	Avg. Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)	Idling Minutes per Day (min/day)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Passenger Vehicles								Running Exhaust, Running Loss, Tire Wear, and Break Wear										
	LDA, LDT1, LDT2	16.6	388	6,441	141,620	2,350,892	N/A	0.175	2.485	12.514	0.042	0.231	0.081	4,263.921	0.044	0.082	4,289.28	
								Starting Exhaust, Hot Soak, Running Loss Evaporative										
								0.632	0.393	3.058	0.001	0.002	0.002	64.870	0.069	0.030	75.42	
								Resting Loss Evap and Diurnal Loss Evap										
								0.329	-	-	-	-	-	-	-	-	-	
								Paved Road (PM only)										
							N/A	N/A	N/A	N/A	4.26	1.05	N/A	N/A	N/A	N/A		
							Subtotal	1.14	2.88	15.57	0.04	4.49	1.13	4,328.79	0.11	0.11	4,364.70	
Trucks								Running Exhaust, Running Loss, Tire Wear, and Break Wear										
	LHDT1, LHDT2, MHDT, HHDT	40	147	5,880	53,655	2,146,200	15	0.340	18.079	6.024	5.713	1.560	0.698	17,108.062	0.606	2.514	17,866.21	
								Starting Exhaust, Hot Soak, Running Loss Evaporative										
								0.025	0.618	0.127	0.001	0.000	0.000	1.076	0.001	0.002	1.70	
								Resting Loss Evap and Diurnal Loss Evap										
								0.010	-	-	-	-	-	-	-	-	-	
								Idling										
							0.377	4.657	5.496	0.009	0.011	0.010	876.989	0.126	0.134	-		
							Paved Road (PM only)											
							N/A	N/A	N/A	N/A	21.78	5.35	N/A	N/A	N/A	N/A		
							Subtotal	0.75	23.35	11.65	5.72	23.35	6.05	17,986.13	0.73	2.65	17,867.91	
Total:																		
Passenger Vehicles and Trucks								Total	1.89	26.23	27.22	5.77	27.84	7.18	22,314.92	0.85	2.76	22,232.61

								Emissions - Annual (Tons/yr)										
								(Metric Tons/yr)										
Vehicle Type	EMFAC Class	Average Daily Trip Length (miles)	Avg. Daily Trips (trips/day)	Avg. Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)	Idling Minutes per Day (min/day)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Passenger Vehicles								Running Exhaust, Running Loss, Tire Wear, and Break Wear										
	LDA, LDT1, LDT2	16.6	388	6,441	141,620	2,350,892	N/A	0.03	0.45	2.28	0.01	0.04	0.01	705.95	0.01	0.01	710.15	
								Starting Exhaust, Hot Soak, Running Loss Evaporative										
								0.12	0.07	0.56	0.00	0.00	0.00	10.74	0.01	0.01	12.49	
								Resting Loss Evap and Diurnal Loss Evap										
								0.06	-	-	-	-	-	-	-	-	-	
								Paved Road (PM only)										
							N/A	N/A	N/A	N/A	0.78	0.19	N/A	N/A	N/A	N/A		
							Subtotal	0.21	0.53	2.84	0.01	0.82	0.21	716.69	0.02	0.02	722.63	
Trucks								Running Exhaust, Running Loss, Tire Wear, and Break Wear										
	LHDT1, LHDT2, MHDT, HHDT	40	147	5,880	53,655	2,146,200	15	0.06	3.30	1.10	1.04	0.28	0.13	2,832.46	0.10	0.42	2,957.98	
								Starting Exhaust, Hot Soak, Running Loss Evaporative										
								0.00	0.11	0.02	0.00	0.00	0.00	0.18	0.00	0.00	0.28	
								Resting Loss Evap and Diurnal Loss Evap										
								0.00	-	-	-	-	-	-	-	-	-	
								Idling										
							0.07	0.85	1.00	0.00	0.00	0.00	0.00	160.05	0.02	0.02	167.80	
							Paved Road (PM only)											
							N/A	N/A	N/A	N/A	3.97	0.98	N/A	N/A	N/A	N/A		
							Subtotal	0.14	4.26	2.13	1.04	4.26	1.10	2,992.69	0.12	0.44	3,126.07	
Total:	Passenger Vehicles and Trucks							Total	0.34	4.79	4.97	1.05	5.08	1.31	3,709.38	0.14	0.46	3,848.70

Operational Mobile Source Emissions Summary - EMFAC2021

Emission Factors										Emission Factors				
Vehicle Type	EMFAC Class	Average Daily Trip Length (miles)	Avg. Daily Trips (trips/day)	Avg. Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)	Idling Minutes per Day (min/day)	ROG	NOx	CO	SOx	PM10		
Trucks	LHDT1, LHDT2, MHDT, HHDT	40	147	5,880	53,655	2,146,200	15	Running Exhaust, Running Loss, Tire Wear, and Bre Running Exhaust, Running Loss, Tire Wear, and Break Wear (grams/mile)						
								0.025229	1.39464	0.464663	0.440737263	0.120314603		
	Source ID	Source Group	% trips	Trips	length (m)	Length (miles)	Plotfile Name	Starting Exhaust, Hot Soak, Running Loss Evaporati Starting Exhaust, Hot Soak, Running Loss Evaporative (grams/trip)						
Onsite100%	ONSITE	ONSITE	100	147	283.5	0.18	4							
Grape and 6th Street	GRAPE&6TH	GRAPE&6TH	20	29	455.8	0.28	3							
Victoria South	VICTSOUTH	VICTSOUTH	70	103	2661	1.65	7							
Victoria North	VICTNORTH	VICTNORTH	30	44	3467.4	2.15	5							
Victoria	VICTORIA	VICTORIA	50	74	144.7	0.09	6							
Forklifts	FORK	FORK			253.1	0.16	2	0.076262	1.905561	0.392526	0.003897067	4.48226E-05		
IDLEALL	IDLE1 - IDLE30	IDLEALL	NA	NA	NA	NA	1	Idling (grams/minute/vehicle) Idling (grams/minute/vehicle)						
								0.077496	0.958	1.130603	0.001806407	0.002232928		

Operational HRA Emissions Summary

								PM Emission Factors			Emissions	
AERMOD Source		Length (m)	Length (miles)	Avg. Daily Trips (trips/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)	Idling Minutes per Day (min/day)	Running PM10 Exhaust (g/mile)	Starting PM10 Exhaust (g/trip)	Idling PM10 (g/min/vehicle)	PM10 (lb/year)	PM10 (lb/hr)
Onsite100%	ONSITE	283.50	0.18	147	53,655.00	9,451.79	-	0.12	-	-	2.51	8.59E-04
Grape and 6th Street	GRAPE&6TH	455.80	0.28	29	10,731.00	3,039.24	-	0.12	-	-	0.81	2.76E-04
Victoria South	VICTSOUTH	2661.00	1.65	103	37,558.50	62,101.79	-	0.12	-	-	16.47	5.64E-03
Victoria North	VICTNORTH	3467.40	2.15	44	16,096.50	34,680.58	-	0.12	-	-	9.20	3.15E-03
Victoria	VICTORIA	144.70	0.09	74	26,827.50	2,412.12	-	0.12	-	-	0.64	2.19E-04
Forklifts	FORK	253.1	0.16								13.72	4.70E-03
IDLEALL	IDLE1 - IDLE30	-	-	27	26,827.50	-	15	-	0.00004	0.0022	1.98	6.79E-04

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading (2) average weight (tons) of the vehicle traveling the	0.1 g/m ²
W	road	2.4 tons

Notes/References:

k = Emission factors from CalEEMod2016.3.1 per AP-42, Section 13.2.1 (Paved Roads).

sL = Silt loading from CalEEMod2016.3.1

For daily emissions it is assumed to have no precipitation.

Truck Weight Assumptions

EMFAC Definition	EMFAC Category	GVWR (pounds)	GVWR (tons)	
Heavy Heavy-Duty Truck	HHDT	>33,000	17	<i>Assumed 33,000 pounds</i>
Medium Heavy-Duty Truck	MHDT	14,001-33,000	8	<i>Assumed average of 14,001 & 33,000 pounds</i>
Composite Heavy & Medium Heavy-Duty Truck	HHDT & MHDT	14,001-33,000+	13	<i>Assumed average of HHDT & MHDT pounds</i>

Source: EMFAC 2014

GVWR = Gross Vehicle Weight Rating

1 pound = 0.0005 US tons

Employee Vehicles Evaluated:

Employee Type	Average Weight (tons)
Passenger Vehicles	2.4

Reference:

Source: CalEEMod2016.3.1 (average vehicle weight = 2.4 tons)

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
HHDT & MHDT	0.0037	0.0009	1.6800	0.4124
Passenger Vehicles	0.0007	0.0002	0.2998	0.0736