

8631 Lime Avenue 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

8631 Lime Avenue 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	6.50	1000sqft	0.15	6,500.00	0
General Office Building	6.00	1000sqft	0.14	6,000.00	0
Other Non-Asphalt Surfaces	43.56	1000sqft	1.00	43,560.00	0
Parking Lot	161.17	1000sqft	3.70	161,172.00	0
Other Asphalt Surfaces	7.50	1000sqft	0.17	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - "Other Non-Asphalt Surfaces" land use refers to proposed 1-acre decomposed granite parking area. "Other Asphalt Surfaces" land use refers to proposed Lime Avenue paving, which applicant proposes to develop 1/2 width.

Construction Phase - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

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Grading - Applicant info.

Trips and VMT - Consultant assumptions. Construction of prefabricated metal building would have reduced laborer and vendor requirements.

Vehicle Trips - Trip rate consistent with "Scoping Agreement for Traffic Impact Study" document's assumption of 5.05 daily trips per worker (17 total).

Operational Off-Road Equipment - Applicant info.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblConstructionPhase	NumDays	230.00	130.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	1/27/2023	8/12/2022
tblConstructionPhase	PhaseEndDate	3/11/2022	2/11/2022
tblConstructionPhase	PhaseEndDate	2/11/2022	1/14/2022
tblConstructionPhase	PhaseStartDate	3/12/2022	2/14/2022
tblConstructionPhase	PhaseStartDate	2/12/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	1/29/2022	1/1/2022
tblGrading	AcresOfGrading	20.00	5.16
tblGrading	AcresOfGrading	15.00	5.16
tblGrading	MaterialImported	0.00	3,100.00
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	VendorTripNumber	37.00	20.00
tblTripsAndVMT	WorkerTripNumber	94.00	40.00
tblTripsAndVMT	WorkerTripNumber	19.00	10.00
tblVehicleTrips	ST_TR	2.21	6.87
tblVehicleTrips	ST_TR	1.74	6.87
tblVehicleTrips	SU_TR	0.70	6.87
tblVehicleTrips	SU_TR	1.74	6.87
tblVehicleTrips	WD_TR	9.74	6.87
tblVehicleTrips	WD_TR	1.74	6.87

2.0 Emissions Summary

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	17.7366	19.6002	12.8688	0.0459	1.0820	0.6675	1.7072	0.2480	0.6141	0.8252	0.0000	4,720.028 ₄	4,720.028 ₄	0.8223	0.3856	4,855.398 ₃
Maximum	17.7366	19.6002	12.8688	0.0459	1.0820	0.6675	1.7072	0.2480	0.6141	0.8252	0.0000	4,720.028 ₄	4,720.028 ₄	0.8223	0.3856	4,855.398 ₃

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	17.7366	19.6002	12.8688	0.0459	0.9219	0.6675	1.5470	0.2303	0.6141	0.8075	0.0000	4,720.028 ₄	4,720.028 ₄	0.8223	0.3856	4,855.398 ₃
Maximum	17.7366	19.6002	12.8688	0.0459	0.9219	0.6675	1.5470	0.2303	0.6141	0.8075	0.0000	4,720.028 ₄	4,720.028 ₄	0.8223	0.3856	4,855.398 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	14.80	0.00	9.38	7.14	0.00	2.15	0.00	0.00	0.00	0.00	0.00	0.00

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Energy	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089
Mobile	0.3287	0.4834	3.3952	7.2500e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		739.1025	739.1025	0.0388	0.0343	750.2909
Offroad	0.0000	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	0.7024	0.4927	3.4258	7.3000e-003	0.6847	7.1600e-003	0.6918	0.1826	6.7700e-003	0.1894	0.0000	749.9961	749.9961	0.0392	0.0345	761.2522

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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	lb/day										lb/day					
Area	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Energy	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089
Mobile	0.3287	0.4834	3.3952	7.2500e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		739.1025	739.1025	0.0388	0.0343	750.2909
Offroad	0.0000	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	0.7024	0.4927	3.4258	7.3000e-003	0.6847	7.1600e-003	0.6918	0.1826	6.7700e-003	0.1894	0.0000	749.9961	749.9961	0.0392	0.0345	761.2522

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	1/1/2022	1/14/2022	5	10	
2	Grading	Grading	1/17/2022	2/11/2022	5	20	
3	Building Construction	Building Construction	2/14/2022	8/12/2022	5	130	
4	Paving	Paving	8/15/2022	9/9/2022	5	20	

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5	Architectural Coating	Architectural Coating	9/12/2022	9/23/2022	5	10
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Acres of Grading (Site Preparation Phase): 5.16**Acres of Grading (Grading Phase): 5.16****Acres of Paving: 4.87****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 18,750; Non-Residential Outdoor: 6,250; Striped Parking Area: 12,734 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	0	7.00	231	0.29
Site Preparation	Scrapers	1	8.00	367	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48

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Paving	Skid Steer Loaders	1	8.00	65	0.37
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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
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	388.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	40.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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					0.5472	0.0000	0.5472	0.0591	0.0000	0.0591			0.0000			0.0000
Off-Road	1.4786	16.6549	10.9540	0.0262		0.6671	0.6671		0.6137	0.6137		2,535.798 4	2,535.798 4	0.8201		2,556.301 7
Total	1.4786	16.6549	10.9540	0.0262	0.5472	0.6671	1.2143	0.0591	0.6137	0.6728		2,535.798 4	2,535.798 4	0.8201		2,556.301 7

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0339	0.0215	0.3291	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.4254	83.4254	2.1800e-003	2.0900e-003	84.1027
Total	0.0339	0.0215	0.3291	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.4254	83.4254	2.1800e-003	2.0900e-003	84.1027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2463	0.0000	0.2463	0.0266	0.0000	0.0266			0.0000			0.0000
Off-Road	1.4786	16.6549	10.9540	0.0262		0.6671	0.6671		0.6137	0.6137	0.0000	2,535.7984	2,535.7984	0.8201		2,556.3017
Total	1.4786	16.6549	10.9540	0.0262	0.2463	0.6671	0.9133	0.0266	0.6137	0.6403	0.0000	2,535.7984	2,535.7984	0.8201		2,556.3017

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0339	0.0215	0.3291	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.4254	83.4254	2.1800e-003	2.0900e-003	84.1027
Total	0.0339	0.0215	0.3291	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.4254	83.4254	2.1800e-003	2.0900e-003	84.1027

3.3 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2911	0.0000	0.2911	0.0322	0.0000	0.0322			0.0000			0.0000
Off-Road	1.2727	14.7013	9.5232	0.0227		0.5693	0.5693		0.5238	0.5238		2,199.4473	2,199.4473	0.7114		2,217.2309
Total	1.2727	14.7013	9.5232	0.0227	0.2911	0.5693	0.8605	0.0322	0.5238	0.5560		2,199.4473	2,199.4473	0.7114		2,217.2309

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 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	0.1202	4.8721	1.0329	0.0222	0.6791	0.0553	0.7343	0.1862	0.0529	0.2391		2,416.299 3	2,416.299 3	0.1047	0.3830	2,533.039 0
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284
Total	0.1625	4.8989	1.4443	0.0232	0.7909	0.0559	0.8467	0.2158	0.0534	0.2692		2,520.581 1	2,520.581 1	0.1075	0.3856	2,638.167 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1310	0.0000	0.1310	0.0145	0.0000	0.0145			0.0000			0.0000
Off-Road	1.2727	14.7013	9.5232	0.0227		0.5693	0.5693		0.5238	0.5238	0.0000	2,199.447 3	2,199.447 3	0.7114		2,217.230 9
Total	1.2727	14.7013	9.5232	0.0227	0.1310	0.5693	0.7003	0.0145	0.5238	0.5383	0.0000	2,199.447 3	2,199.447 3	0.7114		2,217.230 9

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 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	0.1202	4.8721	1.0329	0.0222	0.6791	0.0553	0.7343	0.1862	0.0529	0.2391		2,416.2993	2,416.2993	0.1047	0.3830	2,533.0390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284
Total	0.1625	4.8989	1.4443	0.0232	0.7909	0.0559	0.8467	0.2158	0.0534	0.2692		2,520.5811	2,520.5811	0.1075	0.3856	2,638.1673

3.4 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	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566		1,617.3913	1,617.3913	0.2120		1,622.6909
Total	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566		1,617.3913	1,617.3913	0.2120		1,622.6909

8631 Lime Avenue 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 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	0.0349	0.8758	0.3214	3.7300e-003	0.1281	0.0104	0.1386	0.0369	9.9700e-003	0.0469		400.1377	400.1377	0.0108	0.0592	418.0537
Worker	0.1694	0.1073	1.6455	4.1300e-003	0.4471	2.3400e-003	0.4495	0.1186	2.1600e-003	0.1207		417.1272	417.1272	0.0109	0.0105	420.5134
Total	0.2042	0.9831	1.9670	7.8600e-003	0.5753	0.0128	0.5880	0.1555	0.0121	0.1676		817.2648	817.2648	0.0217	0.0697	838.5671

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566	0.0000	1,617.3913	1,617.3913	0.2120		1,622.6909
Total	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566	0.0000	1,617.3913	1,617.3913	0.2120		1,622.6909

8631 Lime Avenue 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 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	0.0349	0.8758	0.3214	3.7300e-003	0.1281	0.0104	0.1386	0.0369	9.9700e-003	0.0469		400.1377	400.1377	0.0108	0.0592	418.0537
Worker	0.1694	0.1073	1.6455	4.1300e-003	0.4471	2.3400e-003	0.4495	0.1186	2.1600e-003	0.1207		417.1272	417.1272	0.0109	0.0105	420.5134
Total	0.2042	0.9831	1.9670	7.8600e-003	0.5753	0.0128	0.5880	0.1555	0.0121	0.1676		817.2648	817.2648	0.0217	0.0697	838.5671

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6207	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929		1,303.4090	1,303.4090	0.4216		1,313.9477
Paving	0.5070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1277	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929		1,303.4090	1,303.4090	0.4216		1,313.9477

8631 Lime Avenue 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 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	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284
Total	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6207	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929	0.0000	1,303.4090	1,303.4090	0.4216		1,313.9477
Paving	0.5070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1277	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929	0.0000	1,303.4090	1,303.4090	0.4216		1,313.9477

8631 Lime Avenue 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 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	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284
Total	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284

3.6 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	17.4897					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	17.6943	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

8631 Lime Avenue 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 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	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284
Total	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	17.4897					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	17.6943	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

8631 Lime Avenue 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 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	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284
Total	0.0423	0.0268	0.4114	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.2818	104.2818	2.7300e-003	2.6100e-003	105.1284

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

8631 Lime Avenue 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	0.3287	0.4834	3.3952	7.2500e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		739.1025	739.1025	0.0388	0.0343	750.2909
Unmitigated	0.3287	0.4834	3.3952	7.2500e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		739.1025	739.1025	0.0388	0.0343	750.2909

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	41.22	41.22	41.22	132,789	132,789
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	44.66	44.66	44.66	191,379	191,379
Total	85.88	85.88	85.88	324,167	324,167

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-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

8631 Lime Avenue 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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Other Asphalt Surfaces	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Other Non-Asphalt Surfaces	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Parking Lot	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323

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	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089
NaturalGas Unmitigated	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089

8631 Lime Avenue 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****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					
General Office Building	56.3836	6.1000e-004	5.5300e-003	4.6400e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6334	6.6334	1.3000e-004	1.2000e-004	6.6728
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	35.7945	3.9000e-004	3.5100e-003	2.9500e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2111	4.2111	8.0000e-005	8.0000e-005	4.2361
Total		1.0000e-003	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089

8631 Lime Avenue 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					
General Office Building	0.0563836	6.1000e-004	5.5300e-003	4.6400e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6334	6.6334	1.3000e-004	1.2000e-004	6.6728
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0357945	3.9000e-004	3.5100e-003	2.9500e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2111	4.2111	8.0000e-005	8.0000e-005	4.2361
Total		1.0000e-003	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089

6.0 Area Detail**6.1 Mitigation Measures Area**

8631 Lime Avenue 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	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Unmitigated	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524

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	0.0479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Total	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524

8631 Lime Avenue 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	0.0479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Total	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524

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	2	8.00	365	89	0.20	Electrical

8631 Lime Avenue 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	0.0000	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

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

8631 Lime Avenue 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

8631 Lime Avenue 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	6.50	1000sqft	0.15	6,500.00	0
General Office Building	6.00	1000sqft	0.14	6,000.00	0
Other Non-Asphalt Surfaces	43.56	1000sqft	1.00	43,560.00	0
Parking Lot	161.17	1000sqft	3.70	161,172.00	0
Other Asphalt Surfaces	7.50	1000sqft	0.17	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - "Other Non-Asphalt Surfaces" land use refers to proposed 1-acre decomposed granite parking area. "Other Asphalt Surfaces" land use refers to proposed Lime Avenue paving, which applicant proposes to develop 1/2 width.

Construction Phase - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

8631 Lime Avenue 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

Grading - Applicant info.

Trips and VMT - Consultant assumptions. Construction of prefabricated metal building would have reduced laborer and vendor requirements.

Vehicle Trips - Trip rate consistent with "Scoping Agreement for Traffic Impact Study" document's assumption of 5.05 daily trips per worker (17 total).

Operational Off-Road Equipment - Applicant info.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblConstructionPhase	NumDays	230.00	130.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	1/27/2023	8/12/2022
tblConstructionPhase	PhaseEndDate	3/11/2022	2/11/2022
tblConstructionPhase	PhaseEndDate	2/11/2022	1/14/2022
tblConstructionPhase	PhaseStartDate	3/12/2022	2/14/2022
tblConstructionPhase	PhaseStartDate	2/12/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	1/29/2022	1/1/2022
tblGrading	AcresOfGrading	20.00	5.16
tblGrading	AcresOfGrading	15.00	5.16
tblGrading	MaterialImported	0.00	3,100.00
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

8631 Lime Avenue 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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	VendorTripNumber	37.00	20.00
tblTripsAndVMT	WorkerTripNumber	94.00	40.00
tblTripsAndVMT	WorkerTripNumber	19.00	10.00
tblVehicleTrips	ST_TR	2.21	6.87
tblVehicleTrips	ST_TR	1.74	6.87
tblVehicleTrips	SU_TR	0.70	6.87
tblVehicleTrips	SU_TR	1.74	6.87
tblVehicleTrips	WD_TR	9.74	6.87
tblVehicleTrips	WD_TR	1.74	6.87

2.0 Emissions Summary

8631 Lime Avenue 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**2.1 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	17.7349	19.8371	12.5863	0.0458	1.0820	0.6675	1.7072	0.2480	0.6141	0.8252	0.0000	4,711.1217	4,711.1217	0.8223	0.3858	4,846.5574
Maximum	17.7349	19.8371	12.5863	0.0458	1.0820	0.6675	1.7072	0.2480	0.6141	0.8252	0.0000	4,711.1217	4,711.1217	0.8223	0.3858	4,846.5574

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	17.7349	19.8371	12.5863	0.0458	0.9219	0.6675	1.5471	0.2303	0.6141	0.8075	0.0000	4,711.1217	4,711.1217	0.8223	0.3858	4,846.5574
Maximum	17.7349	19.8371	12.5863	0.0458	0.9219	0.6675	1.5471	0.2303	0.6141	0.8075	0.0000	4,711.1217	4,711.1217	0.8223	0.3858	4,846.5574

	ROG	NOx	CO	SO2	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	14.80	0.00	9.38	7.14	0.00	2.15	0.00	0.00	0.00	0.00	0.00	0.00

8631 Lime Avenue 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	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Energy	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089
Mobile	0.2886	0.5120	3.0034	6.7200e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		685.5213	685.5213	0.0396	0.0351	696.9811
Offroad	0.0000	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	0.6623	0.5212	3.0340	6.7700e-003	0.6847	7.1600e-003	0.6919	0.1826	6.7700e-003	0.1894	0.0000	696.4149	696.4149	0.0399	0.0353	707.9425

8631 Lime Avenue 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	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Energy	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089
Mobile	0.2886	0.5120	3.0034	6.7200e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		685.5213	685.5213	0.0396	0.0351	696.9811
Offroad	0.0000	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	0.6623	0.5212	3.0340	6.7700e-003	0.6847	7.1600e-003	0.6919	0.1826	6.7700e-003	0.1894	0.0000	696.4149	696.4149	0.0399	0.0353	707.9425

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	1/1/2022	1/14/2022	5	10	
2	Grading	Grading	1/17/2022	2/11/2022	5	20	
3	Building Construction	Building Construction	2/14/2022	8/12/2022	5	130	
4	Paving	Paving	8/15/2022	9/9/2022	5	20	

8631 Lime Avenue 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	Architectural Coating	Architectural Coating	9/12/2022	9/23/2022	5	10
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Acres of Grading (Site Preparation Phase): 5.16**Acres of Grading (Grading Phase): 5.16****Acres of Paving: 4.87****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 18,750; Non-Residential Outdoor: 6,250; Striped Parking Area: 12,734 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	0	7.00	231	0.29
Site Preparation	Scrapers	1	8.00	367	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48

8631 Lime Avenue 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

Paving	Skid Steer Loaders	1	8.00	65	0.37
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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
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	388.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	40.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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					0.5472	0.0000	0.5472	0.0591	0.0000	0.0591			0.0000			0.0000
Off-Road	1.4786	16.6549	10.9540	0.0262		0.6671	0.6671		0.6137	0.6137		2,535.798 4	2,535.798 4	0.8201		2,556.301 7
Total	1.4786	16.6549	10.9540	0.0262	0.5472	0.6671	1.2143	0.0591	0.6137	0.6728		2,535.798 4	2,535.798 4	0.8201		2,556.301 7

8631 Lime Avenue 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 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	0.0325	0.0226	0.2703	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.5583	75.5583	2.1800e-003	2.1600e-003	76.2556
Total	0.0325	0.0226	0.2703	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.5583	75.5583	2.1800e-003	2.1600e-003	76.2556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2463	0.0000	0.2463	0.0266	0.0000	0.0266			0.0000			0.0000
Off-Road	1.4786	16.6549	10.9540	0.0262		0.6671	0.6671		0.6137	0.6137	0.0000	2,535.7984	2,535.7984	0.8201		2,556.3017
Total	1.4786	16.6549	10.9540	0.0262	0.2463	0.6671	0.9133	0.0266	0.6137	0.6403	0.0000	2,535.7984	2,535.7984	0.8201		2,556.3017

8631 Lime Avenue 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 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	0.0325	0.0226	0.2703	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.5583	75.5583	2.1800e-003	2.1600e-003	76.2556
Total	0.0325	0.0226	0.2703	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.5583	75.5583	2.1800e-003	2.1600e-003	76.2556

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2911	0.0000	0.2911	0.0322	0.0000	0.0322			0.0000			0.0000
Off-Road	1.2727	14.7013	9.5232	0.0227		0.5693	0.5693		0.5238	0.5238		2,199.4473	2,199.4473	0.7114		2,217.2309
Total	1.2727	14.7013	9.5232	0.0227	0.2911	0.5693	0.8605	0.0322	0.5238	0.5560		2,199.4473	2,199.4473	0.7114		2,217.2309

8631 Lime Avenue 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 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	0.1171	5.1076	1.0483	0.0222	0.6791	0.0553	0.7344	0.1862	0.0529	0.2391		2,417.2266	2,417.2266	0.1046	0.3831	2,534.0070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195
Total	0.1578	5.1358	1.3862	0.0231	0.7909	0.0559	0.8467	0.2158	0.0535	0.2693		2,511.6744	2,511.6744	0.1073	0.3858	2,629.3264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1310	0.0000	0.1310	0.0145	0.0000	0.0145			0.0000			0.0000
Off-Road	1.2727	14.7013	9.5232	0.0227		0.5693	0.5693		0.5238	0.5238	0.0000	2,199.4473	2,199.4473	0.7114		2,217.2309
Total	1.2727	14.7013	9.5232	0.0227	0.1310	0.5693	0.7003	0.0145	0.5238	0.5383	0.0000	2,199.4473	2,199.4473	0.7114		2,217.2309

8631 Lime Avenue 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 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	0.1171	5.1076	1.0483	0.0222	0.6791	0.0553	0.7344	0.1862	0.0529	0.2391		2,417.2266	2,417.2266	0.1046	0.3831	2,534.0070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195
Total	0.1578	5.1358	1.3862	0.0231	0.7909	0.0559	0.8467	0.2158	0.0535	0.2693		2,511.6744	2,511.6744	0.1073	0.3858	2,629.3264

3.4 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	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566		1,617.3913	1,617.3913	0.2120		1,622.6909
Total	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566		1,617.3913	1,617.3913	0.2120		1,622.6909

8631 Lime Avenue 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 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	0.0335	0.9194	0.3327	3.7400e-003	0.1281	0.0105	0.1386	0.0369	0.0100	0.0469		400.5790	400.5790	0.0108	0.0593	418.5240
Worker	0.1627	0.1128	1.3517	3.7400e-003	0.4471	2.3400e-003	0.4495	0.1186	2.1600e-003	0.1207		377.7913	377.7913	0.0109	0.0108	381.2779
Total	0.1962	1.0322	1.6844	7.4800e-003	0.5753	0.0128	0.5880	0.1555	0.0122	0.1676		778.3703	778.3703	0.0216	0.0701	799.8019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566	0.0000	1,617.3913	1,617.3913	0.2120		1,622.6909
Total	1.1372	8.7902	10.9018	0.0174		0.4685	0.4685		0.4566	0.4566	0.0000	1,617.3913	1,617.3913	0.2120		1,622.6909

8631 Lime Avenue 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 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	0.0335	0.9194	0.3327	3.7400e-003	0.1281	0.0105	0.1386	0.0369	0.0100	0.0469		400.5790	400.5790	0.0108	0.0593	418.5240
Worker	0.1627	0.1128	1.3517	3.7400e-003	0.4471	2.3400e-003	0.4495	0.1186	2.1600e-003	0.1207		377.7913	377.7913	0.0109	0.0108	381.2779
Total	0.1962	1.0322	1.6844	7.4800e-003	0.5753	0.0128	0.5880	0.1555	0.0122	0.1676		778.3703	778.3703	0.0216	0.0701	799.8019

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6207	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929		1,303.4090	1,303.4090	0.4216		1,313.9477
Paving	0.5070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1277	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929		1,303.4090	1,303.4090	0.4216		1,313.9477

8631 Lime Avenue 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 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	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195
Total	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6207	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929	0.0000	1,303.4090	1,303.4090	0.4216		1,313.9477
Paving	0.5070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1277	6.4873	8.6718	0.0135		0.3183	0.3183		0.2929	0.2929	0.0000	1,303.4090	1,303.4090	0.4216		1,313.9477

8631 Lime Avenue 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 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	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195
Total	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195

3.6 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	17.4897					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	17.6943	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

8631 Lime Avenue 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 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	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195
Total	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	17.4897					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	17.6943	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

8631 Lime Avenue 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 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	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195
Total	0.0407	0.0282	0.3379	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		94.4478	94.4478	2.7200e-003	2.7000e-003	95.3195

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

8631 Lime Avenue 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	0.2886	0.5120	3.0034	6.7200e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		685.5213	685.5213	0.0396	0.0351	696.9811
Unmitigated	0.2886	0.5120	3.0034	6.7200e-003	0.6847	6.3900e-003	0.6911	0.1826	6.0000e-003	0.1886		685.5213	685.5213	0.0396	0.0351	696.9811

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	41.22	41.22	41.22	132,789	132,789
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	44.66	44.66	44.66	191,379	191,379
Total	85.88	85.88	85.88	324,167	324,167

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-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

8631 Lime Avenue 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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Other Asphalt Surfaces	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Other Non-Asphalt Surfaces	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Parking Lot	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323

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	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089
NaturalGas Unmitigated	9.9000e-004	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089

8631 Lime Avenue 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****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					
General Office Building	56.3836	6.1000e-004	5.5300e-003	4.6400e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6334	6.6334	1.3000e-004	1.2000e-004	6.6728
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	35.7945	3.9000e-004	3.5100e-003	2.9500e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2111	4.2111	8.0000e-005	8.0000e-005	4.2361
Total		1.0000e-003	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089

8631 Lime Avenue 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					
General Office Building	0.0563836	6.1000e-004	5.5300e-003	4.6400e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		6.6334	6.6334	1.3000e-004	1.2000e-004	6.6728
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0357945	3.9000e-004	3.5100e-003	2.9500e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2111	4.2111	8.0000e-005	8.0000e-005	4.2361
Total		1.0000e-003	9.0400e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004		10.8445	10.8445	2.1000e-004	2.0000e-004	10.9089

6.0 Area Detail**6.1 Mitigation Measures Area**

8631 Lime Avenue 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	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Unmitigated	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524

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	0.0479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Total	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524
Total	0.3727	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0492	0.0492	1.3000e-004		0.0524

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	2	8.00	365	89	0.20	Electrical

8631 Lime Avenue 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	0.0000	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

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

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

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

Equipment Type	Number
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11.0 Vegetation

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

8631 Lime Avenue Project
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1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	6.50	1000sqft	0.15	6,500.00	0
General Office Building	6.00	1000sqft	0.14	6,000.00	0
Other Non-Asphalt Surfaces	43.56	1000sqft	1.00	43,560.00	0
Parking Lot	161.17	1000sqft	3.70	161,172.00	0
Other Asphalt Surfaces	7.50	1000sqft	0.17	7,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - "Other Non-Asphalt Surfaces" land use refers to proposed 1-acre decomposed granite parking area. "Other Asphalt Surfaces" land use refers to proposed Lime Avenue paving, which applicant proposes to develop 1/2 width.

Construction Phase - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

Off-road Equipment - Consultant assumptions.

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

Grading - Applicant info.

Trips and VMT - Consultant assumptions. Construction of prefabricated metal building would have reduced laborer and vendor requirements.

Vehicle Trips - Trip rate consistent with "Scoping Agreement for Traffic Impact Study" document's assumption of 5.05 daily trips per worker (17 total).

Operational Off-Road Equipment - Applicant info.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblConstructionPhase	NumDays	230.00	130.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	1/27/2023	8/12/2022
tblConstructionPhase	PhaseEndDate	3/11/2022	2/11/2022
tblConstructionPhase	PhaseEndDate	2/11/2022	1/14/2022
tblConstructionPhase	PhaseStartDate	3/12/2022	2/14/2022
tblConstructionPhase	PhaseStartDate	2/12/2022	1/17/2022
tblConstructionPhase	PhaseStartDate	1/29/2022	1/1/2022
tblGrading	AcresOfGrading	20.00	5.16
tblGrading	AcresOfGrading	15.00	5.16
tblGrading	MaterialImported	0.00	3,100.00
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	VendorTripNumber	37.00	20.00
tblTripsAndVMT	WorkerTripNumber	94.00	40.00
tblTripsAndVMT	WorkerTripNumber	19.00	10.00
tblVehicleTrips	ST_TR	2.21	6.87
tblVehicleTrips	ST_TR	1.74	6.87
tblVehicleTrips	SU_TR	0.70	6.87
tblVehicleTrips	SU_TR	1.74	6.87
tblVehicleTrips	WD_TR	9.74	6.87
tblVehicleTrips	WD_TR	1.74	6.87

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2081	0.9936	1.0884	2.3800e-003	0.0522	0.0445	0.0967	0.0132	0.0427	0.0559	0.0000	210.7136	210.7136	0.0289	7.7000e-003	213.7308
Maximum	0.2081	0.9936	1.0884	2.3800e-003	0.0522	0.0445	0.0967	0.0132	0.0427	0.0559	0.0000	210.7136	210.7136	0.0289	7.7000e-003	213.7308

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	0.2081	0.9936	1.0884	2.3800e-003	0.0491	0.0445	0.0936	0.0129	0.0427	0.0556	0.0000	210.7135	210.7135	0.0289	7.7000e-003	213.7307
Maximum	0.2081	0.9936	1.0884	2.3800e-003	0.0491	0.0445	0.0936	0.0129	0.0427	0.0556	0.0000	210.7135	210.7135	0.0289	7.7000e-003	213.7307

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	5.94	0.00	3.21	2.57	0.02	0.61	0.00	0.00	0.00	0.00	0.00	0.00

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.4717	0.4717
2	4-1-2022	6-30-2022	0.3612	0.3612
3	7-1-2022	9-30-2022	0.3242	0.3242
		Highest	0.4717	0.4717

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0679	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003
Energy	1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	24.2527	24.2527	1.9300e-003	2.6000e-004	24.3793
Mobile	0.0522	0.0953	0.5701	1.2400e-003	0.1223	1.1600e-003	0.1234	0.0327	1.0900e-003	0.0338	0.0000	114.7479	114.7479	6.6100e-003	5.8900e-003	116.6677
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2.3730	0.0000	2.3730	0.1402	0.0000	5.8789
Water						0.0000	0.0000		0.0000	0.0000	0.8152	7.2214	8.0366	0.0843	2.0500e-003	10.7562
Total	0.1203	0.0970	0.5744	1.2500e-003	0.1223	1.3000e-003	0.1236	0.0327	1.2300e-003	0.0339	3.1882	146.2276	149.4158	0.2331	8.2000e-003	157.6880

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0679	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003
Energy	1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	24.2527	24.2527	1.9300e-003	2.6000e-004	24.3793
Mobile	0.0522	0.0953	0.5701	1.2400e-003	0.1223	1.1600e-003	0.1234	0.0327	1.0900e-003	0.0338	0.0000	114.7479	114.7479	6.6100e-003	5.8900e-003	116.6677
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2.3730	0.0000	2.3730	0.1402	0.0000	5.8789
Water						0.0000	0.0000		0.0000	0.0000	0.8152	7.2214	8.0366	0.0843	2.0500e-003	10.7562
Total	0.1203	0.0970	0.5744	1.2500e-003	0.1223	1.3000e-003	0.1236	0.0327	1.2300e-003	0.0339	3.1882	146.2276	149.4158	0.2331	8.2000e-003	157.6880

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	1/1/2022	1/14/2022	5	10	
2	Grading	Grading	1/17/2022	2/11/2022	5	20	

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3	Building Construction	Building Construction	2/14/2022	8/12/2022	5	130
4	Paving	Paving	8/15/2022	9/9/2022	5	20
5	Architectural Coating	Architectural Coating	9/12/2022	9/23/2022	5	10

Acres of Grading (Site Preparation Phase): 5.16**Acres of Grading (Grading Phase): 5.16****Acres of Paving: 4.87****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 18,750; Non-Residential Outdoor: 6,250; Striped Parking Area: 12,734 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Building Construction	Cranes	0	7.00	231	0.29
Site Preparation	Scrapers	1	8.00	367	0.48
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Building Construction	Welders	1	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Paving	Skid Steer Loaders	1	8.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	388.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	40.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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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 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					2.7400e-003	0.0000	2.7400e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3900e-003	0.0833	0.0548	1.3000e-004		3.3400e-003	3.3400e-003		3.0700e-003	3.0700e-003	0.0000	11.5022	11.5022	3.7200e-003	0.0000	11.5952
Total	7.3900e-003	0.0833	0.0548	1.3000e-004	2.7400e-003	3.3400e-003	6.0800e-003	3.0000e-004	3.0700e-003	3.3700e-003	0.0000	11.5022	11.5022	3.7200e-003	0.0000	11.5952

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.4200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3496	0.3496	1.0000e-005	1.0000e-005	0.3528
Total	1.5000e-004	1.2000e-004	1.4200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3496	0.3496	1.0000e-005	1.0000e-005	0.3528

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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 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					1.2300e-003	0.0000	1.2300e-003	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3900e-003	0.0833	0.0548	1.3000e-004		3.3400e-003	3.3400e-003		3.0700e-003	3.0700e-003	0.0000	11.5022	11.5022	3.7200e-003	0.0000	11.5952
Total	7.3900e-003	0.0833	0.0548	1.3000e-004	1.2300e-003	3.3400e-003	4.5700e-003	1.3000e-004	3.0700e-003	3.2000e-003	0.0000	11.5022	11.5022	3.7200e-003	0.0000	11.5952

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.4200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3496	0.3496	1.0000e-005	1.0000e-005	0.3528
Total	1.5000e-004	1.2000e-004	1.4200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3496	0.3496	1.0000e-005	1.0000e-005	0.3528

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 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					2.9100e-003	0.0000	2.9100e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1470	0.0952	2.3000e-004		5.6900e-003	5.6900e-003		5.2400e-003	5.2400e-003	0.0000	19.9531	19.9531	6.4500e-003	0.0000	20.1144
Total	0.0127	0.1470	0.0952	2.3000e-004	2.9100e-003	5.6900e-003	8.6000e-003	3.2000e-004	5.2400e-003	5.5600e-003	0.0000	19.9531	19.9531	6.4500e-003	0.0000	20.1144

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1900e-003	0.0516	0.0104	2.2000e-004	6.6800e-003	5.5000e-004	7.2300e-003	1.8300e-003	5.3000e-004	2.3600e-003	0.0000	21.9238	21.9238	9.5000e-004	3.4700e-003	22.9830
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	3.0000e-004	3.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8739	0.8739	3.0000e-005	3.0000e-005	0.8820
Total	1.5700e-003	0.0519	0.0139	2.3000e-004	7.7800e-003	5.6000e-004	8.3300e-003	2.1200e-003	5.4000e-004	2.6600e-003	0.0000	22.7977	22.7977	9.8000e-004	3.5000e-003	23.8651

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

3.3 Grading - 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					1.3100e-003	0.0000	1.3100e-003	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1470	0.0952	2.3000e-004		5.6900e-003	5.6900e-003		5.2400e-003	5.2400e-003	0.0000	19.9530	19.9530	6.4500e-003	0.0000	20.1144
Total	0.0127	0.1470	0.0952	2.3000e-004	1.3100e-003	5.6900e-003	7.0000e-003	1.4000e-004	5.2400e-003	5.3800e-003	0.0000	19.9530	19.9530	6.4500e-003	0.0000	20.1144

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1900e-003	0.0516	0.0104	2.2000e-004	6.6800e-003	5.5000e-004	7.2300e-003	1.8300e-003	5.3000e-004	2.3600e-003	0.0000	21.9238	21.9238	9.5000e-004	3.4700e-003	22.9830
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	3.0000e-004	3.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8739	0.8739	3.0000e-005	3.0000e-005	0.8820
Total	1.5700e-003	0.0519	0.0139	2.3000e-004	7.7800e-003	5.6000e-004	8.3300e-003	2.1200e-003	5.4000e-004	2.6600e-003	0.0000	22.7977	22.7977	9.8000e-004	3.5000e-003	23.8651

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 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	0.0739	0.5714	0.7086	1.1300e-003		0.0305	0.0305		0.0297	0.0297	0.0000	95.3727	95.3727	0.0125	0.0000	95.6852
Total	0.0739	0.5714	0.7086	1.1300e-003		0.0305	0.0305		0.0297	0.0297	0.0000	95.3727	95.3727	0.0125	0.0000	95.6852

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2200e-003	0.0599	0.0212	2.4000e-004	8.2000e-003	6.8000e-004	8.8800e-003	2.3700e-003	6.5000e-004	3.0200e-003	0.0000	23.6059	23.6059	6.4000e-004	3.5000e-003	24.6636
Worker	9.8000e-003	7.6900e-003	0.0921	2.5000e-004	0.0285	1.5000e-004	0.0287	7.5700e-003	1.4000e-004	7.7100e-003	0.0000	22.7208	22.7208	6.5000e-004	6.6000e-004	22.9329
Total	0.0120	0.0676	0.1134	4.9000e-004	0.0367	8.3000e-004	0.0375	9.9400e-003	7.9000e-004	0.0107	0.0000	46.3267	46.3267	1.2900e-003	4.1600e-003	47.5965

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 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	0.0739	0.5714	0.7086	1.1300e-003		0.0305	0.0305		0.0297	0.0297	0.0000	95.3726	95.3726	0.0125	0.0000	95.6851
Total	0.0739	0.5714	0.7086	1.1300e-003		0.0305	0.0305		0.0297	0.0297	0.0000	95.3726	95.3726	0.0125	0.0000	95.6851

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2200e-003	0.0599	0.0212	2.4000e-004	8.2000e-003	6.8000e-004	8.8800e-003	2.3700e-003	6.5000e-004	3.0200e-003	0.0000	23.6059	23.6059	6.4000e-004	3.5000e-003	24.6636
Worker	9.8000e-003	7.6900e-003	0.0921	2.5000e-004	0.0285	1.5000e-004	0.0287	7.5700e-003	1.4000e-004	7.7100e-003	0.0000	22.7208	22.7208	6.5000e-004	6.6000e-004	22.9329
Total	0.0120	0.0676	0.1134	4.9000e-004	0.0367	8.3000e-004	0.0375	9.9400e-003	7.9000e-004	0.0107	0.0000	46.3267	46.3267	1.2900e-003	4.1600e-003	47.5965

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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 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2100e-003	0.0649	0.0867	1.3000e-004		3.1800e-003	3.1800e-003		2.9300e-003	2.9300e-003	0.0000	11.8243	11.8243	3.8200e-003	0.0000	11.9199
Paving	5.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0113	0.0649	0.0867	1.3000e-004		3.1800e-003	3.1800e-003		2.9300e-003	2.9300e-003	0.0000	11.8243	11.8243	3.8200e-003	0.0000	11.9199

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	3.0000e-004	3.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8739	0.8739	3.0000e-005	3.0000e-005	0.8820
Total	3.8000e-004	3.0000e-004	3.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8739	0.8739	3.0000e-005	3.0000e-005	0.8820

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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 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	6.2100e-003	0.0649	0.0867	1.3000e-004		3.1800e-003	3.1800e-003		2.9300e-003	2.9300e-003	0.0000	11.8243	11.8243	3.8200e-003	0.0000	11.9199
Paving	5.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0113	0.0649	0.0867	1.3000e-004		3.1800e-003	3.1800e-003		2.9300e-003	2.9300e-003	0.0000	11.8243	11.8243	3.8200e-003	0.0000	11.9199

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	3.0000e-004	3.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8739	0.8739	3.0000e-005	3.0000e-005	0.8820
Total	3.8000e-004	3.0000e-004	3.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8739	0.8739	3.0000e-005	3.0000e-005	0.8820

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 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	0.0875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.0885	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	1.7700e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4369	0.4369	1.0000e-005	1.0000e-005	0.4410
Total	1.9000e-004	1.5000e-004	1.7700e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4369	0.4369	1.0000e-005	1.0000e-005	0.4410

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3.6 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	0.0875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.0885	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.5000e-004	1.7700e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4369	0.4369	1.0000e-005	1.0000e-005	0.4410
Total	1.9000e-004	1.5000e-004	1.7700e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4369	0.4369	1.0000e-005	1.0000e-005	0.4410

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0522	0.0953	0.5701	1.2400e-003	0.1223	1.1600e-003	0.1234	0.0327	1.0900e-003	0.0338	0.0000	114.7479	114.7479	6.6100e-003	5.8900e-003	116.6677
Unmitigated	0.0522	0.0953	0.5701	1.2400e-003	0.1223	1.1600e-003	0.1234	0.0327	1.0900e-003	0.0338	0.0000	114.7479	114.7479	6.6100e-003	5.8900e-003	116.6677

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	41.22	41.22	41.22	132,789	132,789
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	44.66	44.66	44.66	191,379	191,379
Total	85.88	85.88	85.88	324,167	324,167

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-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 Rail	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
General Office Building	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Other Asphalt Surfaces	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Other Non-Asphalt Surfaces	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Parking Lot	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	22.4573	22.4573	1.9000e-003	2.3000e-004	22.5732
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	22.4573	22.4573	1.9000e-003	2.3000e-004	22.5732
NaturalGas Mitigated	1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.7954	1.7954	3.0000e-005	3.0000e-005	1.8061
NaturalGas Unmitigated	1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.7954	1.7954	3.0000e-005	3.0000e-005	1.8061

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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					
General Office Building	20580	1.1000e-004	1.0100e-003	8.5000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0982	1.0982	2.0000e-005	2.0000e-005	1.1048
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	13065	7.0000e-005	6.4000e-004	5.4000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6972	0.6972	1.0000e-005	1.0000e-005	0.7013
Total		1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.7954	1.7954	3.0000e-005	3.0000e-005	1.8061

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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					
General Office Building	20580	1.1000e-004	1.0100e-003	8.5000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0982	1.0982	2.0000e-005	2.0000e-005	1.1048
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	13065	7.0000e-005	6.4000e-004	5.4000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6972	0.6972	1.0000e-005	1.0000e-005	0.7013
Total		1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.7954	1.7954	3.0000e-005	3.0000e-005	1.8061

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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			
General Office Building	55140	9.7788	8.3000e-004	1.0000e-004	9.8293
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	56410.2	10.0041	8.4000e-004	1.0000e-004	10.0557
Unrefrigerated Warehouse-No Rail	15080	2.6744	2.3000e-004	3.0000e-005	2.6882
Total		22.4573	1.9000e-003	2.3000e-004	22.5732

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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			
General Office Building	55140	9.7788	8.3000e-004	1.0000e-004	9.8293
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	56410.2	10.0041	8.4000e-004	1.0000e-004	10.0557
Unrefrigerated Warehouse-No Rail	15080	2.6744	2.3000e-004	3.0000e-005	2.6882
Total		22.4573	1.9000e-003	2.3000e-004	22.5732

6.0 Area Detail**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0679	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003
Unmitigated	0.0679	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003
Total	0.0679	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003
Total	0.0679	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.5800e-003	5.5800e-003	1.0000e-005	0.0000	5.9500e-003

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	8.0366	0.0843	2.0500e-003	10.7562
Unmitigated	8.0366	0.0843	2.0500e-003	10.7562

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.0664 / 0.653602	4.0887	0.0351	8.6000e-004	5.2212
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-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	1.50313 / 0	3.9479	0.0493	1.1900e-003	5.5349
Total		8.0366	0.0843	2.0500e-003	10.7562

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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			
General Office Building	1.0664 / 0.653602	4.0887	0.0351	8.6000e-004	5.2212
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-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	1.50313 / 0	3.9479	0.0493	1.1900e-003	5.5349
Total		8.0366	0.0843	2.0500e-003	10.7562

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	2.3730	0.1402	0.0000	5.8789
Unmitigated	2.3730	0.1402	0.0000	5.8789

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	5.58	1.1327	0.0669	0.0000	2.8062
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-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	6.11	1.2403	0.0733	0.0000	3.0727
Total		2.3730	0.1402	0.0000	5.8789

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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			
General Office Building	5.58	1.1327	0.0669	0.0000	2.8062
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-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	6.11	1.2403	0.0733	0.0000	3.0727
Total		2.3730	0.1402	0.0000	5.8789

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	2	8.00	365	89	0.20	Electrical

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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	0.0000	0.0000	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

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