

APPENDIX B
Air Quality/Greenhouse Gas
Emissions/Energy Data

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

**Figueroa Street Business Park
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	307.11	1000sqft	7.05	307,113.00	0
Other Asphalt Surfaces	22.50	1000sqft	0.52	22,500.00	0
Parking Lot	407.00	Space	3.66	162,800.00	0
City Park	1.02	Acre	1.02	44,360.00	0
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Per Construction Questionnaire.
- Off-road Equipment - Per Construction Questionnaire.
- Off-road Equipment - Per Construction Questionnaire. "Other Construction Equipment" = Pile Driver
- Off-road Equipment - Per Construction Questionnaire.
- Off-road Equipment - Per Construction Questionnaire.
- Grading - per construction questionnaire + remediation plan

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Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Study.

Area Coating - SCAQMD Rule 1113

Energy Use - Per operational questionnaire

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations.

Area Mitigation - SCAQMD Rule 445 prohibits the installation of any open or enclosed permanently installed wood burning device. Per operational questionnaire, all electric landscape equipment could be used.

Energy Mitigation -

Water Mitigation - Per operational questionnaire, low-flow water fixtures and water-efficiency irrigation system would be installed.

Waste Mitigation - Per AB 341

Fleet Mix - Per Traffic Study.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	300.00	264.00
tblConstructionPhase	NumDays	30.00	88.00
tblConstructionPhase	NumDays	20.00	22.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	NT24NG	0.49	0.00
tblEnergyUse	T24NG	9.92	0.00

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tblEnergyUse	T24NG	1.14	0.00
tblFleetMix	HHD	8.0790e-003	0.16
tblFleetMix	LDA	0.54	0.41
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.19	0.14
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.2390e-003	0.05
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MDV	0.13	0.10
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblGrading	MaterialExported	0.00	18,012.00
tblLandUse	LandUseSquareFeet	307,110.00	307,113.00
tblLandUse	LandUseSquareFeet	44,431.20	44,360.00
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	187.00	247.00
tblOffRoadEquipment	HorsePower	221.00	158.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	HorsePower	172.00	475.00
tblOffRoadEquipment	HorsePower	80.00	367.00
tblOffRoadEquipment	HorsePower	247.00	97.00
tblOffRoadEquipment	HorsePower	203.00	97.00
tblOffRoadEquipment	HorsePower	203.00	46.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.41	0.40

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tblOffRoadEquipment	LoadFactor	0.50	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.48
tblOffRoadEquipment	LoadFactor	0.40	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.45
tblOffRoadEquipment	LoadFactor	0.36	0.42
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.54	2.00
tblVehicleTrips	ST_TR	42.04	52.50
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.24	2.00
tblVehicleTrips	SU_TR	20.43	52.50
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.37	2.00
tblVehicleTrips	WD_TR	44.32	52.50

2.0 Emissions Summary

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.6746	63.9852	58.7162	0.1762	5.4487	2.3729	7.8216	1.2093	2.1845	3.3937	0.0000	17,532.6276	17,532.6276	4.0027	0.5805	17,805.6920
2024	71.9328	37.7629	47.3998	0.1175	3.8116	1.5370	5.3486	1.0238	1.4195	2.4434	0.0000	11,657.4524	11,657.4524	2.3897	0.3198	11,812.4999
Maximum	71.9328	63.9852	58.7162	0.1762	5.4487	2.3729	7.8216	1.2093	2.1845	3.3937	0.0000	17,532.6276	17,532.6276	4.0027	0.5805	17,805.6920

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.6746	63.9852	58.7162	0.1762	3.6025	2.3729	5.9754	0.8952	2.1845	3.0796	0.0000	17,532.6276	17,532.6276	4.0027	0.5805	17,805.6920
2024	71.9328	37.7629	47.3998	0.1175	2.9734	1.5370	4.5103	0.8181	1.4195	2.2376	0.0000	11,657.4524	11,657.4524	2.3897	0.3198	11,812.4999
Maximum	71.9328	63.9852	58.7162	0.1762	3.6025	2.3729	5.9754	0.8952	2.1845	3.0796	0.0000	17,532.6276	17,532.6276	4.0027	0.5805	17,805.6920

Figuroa Street Business Park - Los Angeles-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6371	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.1769	11.4532	22.6866	0.0851	6.1932	0.0858	6.2790	1.6716	0.0812	1.7528		8,944.9069	8,944.9069	0.4650	0.8637	9,213.9172
Total	8.8140	11.4539	22.7622	0.0852	6.1932	0.0861	6.2793	1.6716	0.0815	1.7531		8,945.0692	8,945.0692	0.4655	0.8637	9,214.0901

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6331	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.1769	11.4532	22.6866	0.0851	6.1932	0.0858	6.2790	1.6716	0.0812	1.7528		8,944.9069	8,944.9069	0.4650	0.8637	9,213.9172
Total	8.8100	11.4536	22.7304	0.0851	6.1932	0.0859	6.2791	1.6716	0.0813	1.7529		8,944.9944	8,944.9944	0.4652	0.8637	9,214.0091

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.05	0.00	0.14	0.01	0.00	0.19	0.00	0.00	0.20	0.01	0.00	0.00	0.00	0.05	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/1/2023	10/2/2023	5	88	
2	Building Construction	Building Construction	9/1/2023	9/4/2024	5	264	
3	Paving	Paving	8/6/2024	9/4/2024	5	22	
4	Architectural Coating	Architectural Coating	8/6/2024	9/4/2024	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 132

Acres of Paving: 4.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 466,670; Non-Residential Outdoor: 155,557; Striped Parking Area: 11,118 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	158	0.38
Grading	Excavators	2	8.00	187	0.41
Grading	Graders	1	8.00	247	0.40
Grading	Rollers	1	8.00	367	0.48
Grading	Rubber Tired Loaders	1	8.00	97	0.37
Grading	Scrapers	1	8.00	367	0.48
Grading	Surfacing Equipment	1	8.00	263	0.30

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Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Excavators	1	8.00	89	0.20
Building Construction	Other Construction Equipment	1	8.00	475	0.50
Building Construction	Rubber Tired Dozers	1	8.00	97	0.37
Building Construction	Rubber Tired Loaders	1	8.00	46	0.45
Building Construction	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Rubber Tired Loaders	1	8.00	130	0.42
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	25.00	0.00	2,252.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	227.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	45.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Figuroa Street Business Park - Los Angeles-South Coast County, Winter

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

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6139	0.0000	1.6139	0.1753	0.0000	0.1753			0.0000			0.0000
Off-Road	3.2008	33.1542	28.9911	0.0736		1.3420	1.3420		1.2346	1.2346		7,120.0357	7,120.0357	2.3028		7,177.6048
Total	3.2008	33.1542	28.9911	0.0736	1.6139	1.3420	2.9559	0.1753	1.2346	1.4099		7,120.0357	7,120.0357	2.3028		7,177.6048

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0519	3.4866	0.9036	0.0150	0.4480	0.0211	0.4691	0.1228	0.0202	0.1430		1,646.3592	1,646.3592	0.0905	0.2615	1,726.5313
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0860	0.0616	0.8305	2.3400e-003	0.2794	1.6800e-003	0.2811	0.0741	1.5500e-003	0.0757		236.8384	236.8384	6.3900e-003	6.1600e-003	238.8348
Total	0.1379	3.5482	1.7340	0.0173	0.7274	0.0228	0.7502	0.1969	0.0218	0.2187		1,883.1976	1,883.1976	0.0968	0.2676	1,965.3661

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3.2 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5980	0.0000	0.5980	0.0649	0.0000	0.0649			0.0000			0.0000
Off-Road	3.2008	33.1542	28.9911	0.0736		1.3420	1.3420		1.2346	1.2346	0.0000	7,120.0357	7,120.0357	2.3028		7,177.6048
Total	3.2008	33.1542	28.9911	0.0736	0.5980	1.3420	1.9399	0.0649	1.2346	1.2996	0.0000	7,120.0357	7,120.0357	2.3028		7,177.6048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0519	3.4866	0.9036	0.0150	0.3600	0.0211	0.3811	0.1012	0.0202	0.1214		1,646.3592	1,646.3592	0.0905	0.2615	1,726.5313
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0860	0.0616	0.8305	2.3400e-003	0.2163	1.6800e-003	0.2180	0.0586	1.5500e-003	0.0602		236.8384	236.8384	6.3900e-003	6.1600e-003	238.8348
Total	0.1379	3.5482	1.7340	0.0173	0.5763	0.0228	0.5991	0.1598	0.0218	0.1816		1,883.1976	1,883.1976	0.0968	0.2676	1,965.3661

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

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975		4,593.3809	4,593.3809	1.4856		4,630.5207
Total	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975		4,593.3809	4,593.3809	1.4856		4,630.5207

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0990	3.5766	1.3650	0.0166	0.5701	0.0173	0.5874	0.1642	0.0165	0.1807		1,785.5207	1,785.5207	0.0595	0.2570	1,863.5808
Worker	0.7805	0.5594	7.5406	0.0213	2.5373	0.0153	2.5526	0.6729	0.0141	0.6870		2,150.4927	2,150.4927	0.0580	0.0560	2,168.6196
Total	0.8795	4.1361	8.9056	0.0379	3.1074	0.0325	3.1400	0.8371	0.0306	0.8676		3,936.0134	3,936.0134	0.1175	0.3129	4,032.2004

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3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975	0.0000	4,593.3809	4,593.3809	1.4856		4,630.5207
Total	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975	0.0000	4,593.3809	4,593.3809	1.4856		4,630.5207

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0990	3.5766	1.3650	0.0166	0.4645	0.0173	0.4818	0.1382	0.0165	0.1548		1,785.5207	1,785.5207	0.0595	0.2570	1,863.5808
Worker	0.7805	0.5594	7.5406	0.0213	1.9638	0.0153	1.9791	0.5321	0.0141	0.5462		2,150.4927	2,150.4927	0.0580	0.0560	2,168.6196
Total	0.8795	4.1361	8.9056	0.0379	2.4283	0.0325	2.4609	0.6704	0.0306	0.7010		3,936.0134	3,936.0134	0.1175	0.3129	4,032.2004

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3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321		4,593.8270	4,593.8270	1.4857		4,630.9704
Total	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321		4,593.8270	4,593.8270	1.4857		4,630.9704

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0957	3.5840	1.3364	0.0163	0.5701	0.0174	0.5875	0.1642	0.0166	0.1808		1,758.7676	1,758.7676	0.0597	0.2534	1,835.7606
Worker	0.7296	0.4992	7.0132	0.0207	2.5373	0.0146	2.5519	0.6729	0.0135	0.6864		2,089.7384	2,089.7384	0.0526	0.0520	2,106.5552
Total	0.8253	4.0831	8.3495	0.0370	3.1074	0.0320	3.1394	0.8371	0.0301	0.8671		3,848.5060	3,848.5060	0.1123	0.3054	3,942.3158

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321	0.0000	4,593.8270	4,593.8270	1.4857		4,630.9704
Total	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321	0.0000	4,593.8270	4,593.8270	1.4857		4,630.9704

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0957	3.5840	1.3364	0.0163	0.4645	0.0174	0.4819	0.1382	0.0166	0.1549		1,758.7676	1,758.7676	0.0597	0.2534	1,835.7606
Worker	0.7296	0.4992	7.0132	0.0207	1.9638	0.0146	1.9784	0.5321	0.0135	0.5456		2,089.7384	2,089.7384	0.0526	0.0520	2,106.5552
Total	0.8253	4.0831	8.3495	0.0370	2.4283	0.0320	2.4603	0.6704	0.0301	0.7005		3,848.5060	3,848.5060	0.1123	0.3054	3,942.3158

Figuroa Street Business Park - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1457	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927		2,353.7000	2,353.7000	0.7612		2,372.7308
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6435	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927		2,353.7000	2,353.7000	0.7612		2,372.7308

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0579	0.0396	0.5561	1.6400e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		165.7061	165.7061	4.1700e-003	4.1300e-003	167.0396
Total	0.0579	0.0396	0.5561	1.6400e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		165.7061	165.7061	4.1700e-003	4.1300e-003	167.0396

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

3.4 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1457	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927	0.0000	2,353.7000	2,353.7000	0.7612		2,372.7308
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6435	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927	0.0000	2,353.7000	2,353.7000	0.7612		2,372.7308

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0579	0.0396	0.5561	1.6400e-003	0.1557	1.1600e-003	0.1569	0.0422	1.0700e-003	0.0433		165.7061	165.7061	4.1700e-003	4.1300e-003	167.0396
Total	0.0579	0.0396	0.5561	1.6400e-003	0.1557	1.1600e-003	0.1569	0.0422	1.0700e-003	0.0433		165.7061	165.7061	4.1700e-003	4.1300e-003	167.0396

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	66.8979	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1446	0.0990	1.3903	4.1000e-003	0.5030	2.9000e-003	0.5059	0.1334	2.6700e-003	0.1361		414.2653	414.2653	0.0104	0.0103	417.5990
Total	0.1446	0.0990	1.3903	4.1000e-003	0.5030	2.9000e-003	0.5059	0.1334	2.6700e-003	0.1361		414.2653	414.2653	0.0104	0.0103	417.5990

Figuroa Street Business Park - Los Angeles-South Coast County, Winter

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

3.5 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	66.8979	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1446	0.0990	1.3903	4.1000e-003	0.3893	2.9000e-003	0.3922	0.1055	2.6700e-003	0.1082		414.2653	414.2653	0.0104	0.0103	417.5990
Total	0.1446	0.0990	1.3903	4.1000e-003	0.3893	2.9000e-003	0.3922	0.1055	2.6700e-003	0.1082		414.2653	414.2653	0.0104	0.0103	417.5990

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1769	11.4532	22.6866	0.0851	6.1932	0.0858	6.2790	1.6716	0.0812	1.7528		8,944.9069	8,944.9069	0.4650	0.8637	9,213.9172
Unmitigated	2.1769	11.4532	22.6866	0.0851	6.1932	0.0858	6.2790	1.6716	0.0812	1.7528		8,944.9069	8,944.9069	0.4650	0.8637	9,213.9172

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Industrial Park	614.22	614.22	614.22	2,442,683	2,442,683
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	210.00	210.00	210.00	399,545	399,545
Total	824.22	824.22	824.22	2,842,228	2,842,228

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Industrial Park	0.408409	0.047731	0.141005	0.095920	0.017979	0.045700	0.061300	0.163000	0.000000	0.000000	0.018956	0.000000	0.000000
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Industrial Park	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 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
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Industrial Park	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 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
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6331	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920
Unmitigated	6.6371	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729

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	0.4021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9800e-003	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729
Total	6.6371	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9600e-003	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920
Total	6.6331	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

Figueroa Street Business Park - Los Angeles-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

**Figueroa Street Business Park
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	307.11	1000sqft	7.05	307,113.00	0
Other Asphalt Surfaces	22.50	1000sqft	0.52	22,500.00	0
Parking Lot	407.00	Space	3.66	162,800.00	0
City Park	1.02	Acre	1.02	44,360.00	0
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Per Construction Questionnaire.
- Off-road Equipment - Per Construction Questionnaire.
- Off-road Equipment - Per Construction Questionnaire. "Other Construction Equipment" = Pile Driver
- Off-road Equipment - Per Construction Questionnaire.
- Off-road Equipment - Per Construction Questionnaire.
- Grading - per construction questionnaire + remediation plan

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Study.

Area Coating - SCAQMD Rule 1113

Energy Use - Per operational questionnaire

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations.

Area Mitigation - SCAQMD Rule 445 prohibits the installation of any open or enclosed permanently installed wood burning device. Per operational questionnaire, all electric landscape equipment could be used.

Energy Mitigation -

Water Mitigation - Per operational questionnaire, low-flow water fixtures and water-efficiency irrigation system would be installed.

Waste Mitigation - Per AB 341

Fleet Mix - Per Traffic Study.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	300.00	264.00
tblConstructionPhase	NumDays	30.00	88.00
tblConstructionPhase	NumDays	20.00	22.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	NT24NG	0.49	0.00
tblEnergyUse	T24NG	9.92	0.00

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

tblEnergyUse	T24NG	1.14	0.00
tblFleetMix	HHD	8.0790e-003	0.16
tblFleetMix	LDA	0.54	0.41
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.19	0.14
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.2390e-003	0.05
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MDV	0.13	0.10
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblGrading	MaterialExported	0.00	18,012.00
tblLandUse	LandUseSquareFeet	307,110.00	307,113.00
tblLandUse	LandUseSquareFeet	44,431.20	44,360.00
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	187.00	247.00
tblOffRoadEquipment	HorsePower	221.00	158.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	HorsePower	172.00	475.00
tblOffRoadEquipment	HorsePower	80.00	367.00
tblOffRoadEquipment	HorsePower	247.00	97.00
tblOffRoadEquipment	HorsePower	203.00	97.00
tblOffRoadEquipment	HorsePower	203.00	46.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.41	0.40

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

tblOffRoadEquipment	LoadFactor	0.50	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.48
tblOffRoadEquipment	LoadFactor	0.40	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.45
tblOffRoadEquipment	LoadFactor	0.36	0.42
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.54	2.00
tblVehicleTrips	ST_TR	42.04	52.50
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.24	2.00
tblVehicleTrips	SU_TR	20.43	52.50
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.37	2.00
tblVehicleTrips	WD_TR	44.32	52.50

2.0 Emissions Summary

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.6217	63.6187	59.3985	0.1775	5.4487	2.3727	7.8214	1.2093	2.1843	3.3936	0.0000	17,660.74 62	17,660.74 62	4.0023	0.5756	17,932.33 12
2024	71.8691	37.5418	48.1380	0.1189	3.8116	1.5369	5.3485	1.0238	1.4194	2.4433	0.0000	11,802.73 63	11,802.73 63	2.3890	0.3149	11,956.31 09
Maximum	71.8691	63.6187	59.3985	0.1775	5.4487	2.3727	7.8214	1.2093	2.1843	3.3936	0.0000	17,660.74 62	17,660.74 62	4.0023	0.5756	17,932.33 12

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.6217	63.6187	59.3985	0.1775	3.6025	2.3727	5.9752	0.8952	2.1843	3.0794	0.0000	17,660.74 62	17,660.74 62	4.0023	0.5756	17,932.33 12
2024	71.8691	37.5418	48.1380	0.1189	2.9734	1.5369	4.5102	0.8181	1.4194	2.2375	0.0000	11,802.73 63	11,802.73 63	2.3890	0.3149	11,956.31 08
Maximum	71.8691	63.6187	59.3985	0.1775	3.6025	2.3727	5.9752	0.8952	2.1843	3.0794	0.0000	17,660.74 62	17,660.74 62	4.0023	0.5756	17,932.33 12

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6371	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.2232	10.8818	23.0606	0.0870	6.1932	0.0856	6.2788	1.6716	0.0810	1.7526		9,132.9330	9,132.9330	0.4573	0.8542	9,398.9035
Total	8.8603	10.8825	23.1362	0.0870	6.1932	0.0859	6.2791	1.6716	0.0813	1.7528		9,133.0953	9,133.0953	0.4577	0.8542	9,399.0764

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6331	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.2232	10.8818	23.0606	0.0870	6.1932	0.0856	6.2788	1.6716	0.0810	1.7526		9,132.9330	9,132.9330	0.4573	0.8542	9,398.9035
Total	8.8563	10.8822	23.1044	0.0870	6.1932	0.0857	6.2789	1.6716	0.0811	1.7527		9,133.0204	9,133.0204	0.4575	0.8542	9,398.9954

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.05	0.00	0.14	0.01	0.00	0.19	0.00	0.00	0.20	0.01	0.00	0.00	0.00	0.05	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/1/2023	10/2/2023	5	88	
2	Building Construction	Building Construction	9/1/2023	9/4/2024	5	264	
3	Paving	Paving	8/6/2024	9/4/2024	5	22	
4	Architectural Coating	Architectural Coating	8/6/2024	9/4/2024	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 132

Acres of Paving: 4.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 466,670; Non-Residential Outdoor: 155,557; Striped Parking Area: 11,118 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	158	0.38
Grading	Excavators	2	8.00	187	0.41
Grading	Graders	1	8.00	247	0.40
Grading	Rollers	1	8.00	367	0.48
Grading	Rubber Tired Loaders	1	8.00	97	0.37
Grading	Scrapers	1	8.00	367	0.48
Grading	Surfacing Equipment	1	8.00	263	0.30

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Excavators	1	8.00	89	0.20
Building Construction	Other Construction Equipment	1	8.00	475	0.50
Building Construction	Rubber Tired Dozers	1	8.00	97	0.37
Building Construction	Rubber Tired Loaders	1	8.00	46	0.45
Building Construction	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Rubber Tired Loaders	1	8.00	130	0.42
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	25.00	0.00	2,252.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	227.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	45.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6139	0.0000	1.6139	0.1753	0.0000	0.1753			0.0000			0.0000
Off-Road	3.2008	33.1542	28.9911	0.0736		1.3420	1.3420		1.2346	1.2346		7,120.0357	7,120.0357	2.3028		7,177.6048
Total	3.2008	33.1542	28.9911	0.0736	1.6139	1.3420	2.9559	0.1753	1.2346	1.4099		7,120.0357	7,120.0357	2.3028		7,177.6048

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0555	3.3394	0.8913	0.0150	0.4480	0.0211	0.4690	0.1228	0.0202	0.1430		1,644.6256	1,644.6256	0.0906	0.2612	1,724.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0800	0.0558	0.9035	2.4700e-003	0.2794	1.6800e-003	0.2811	0.0741	1.5500e-003	0.0757		250.0188	250.0188	6.3000e-003	5.7700e-003	251.8959
Total	0.1355	3.3951	1.7948	0.0174	0.7274	0.0227	0.7501	0.1969	0.0217	0.2186		1,894.6445	1,894.6445	0.0969	0.2669	1,976.6144

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.2 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5980	0.0000	0.5980	0.0649	0.0000	0.0649			0.0000			0.0000
Off-Road	3.2008	33.1542	28.9911	0.0736		1.3420	1.3420		1.2346	1.2346	0.0000	7,120.0357	7,120.0357	2.3028		7,177.6048
Total	3.2008	33.1542	28.9911	0.0736	0.5980	1.3420	1.9399	0.0649	1.2346	1.2996	0.0000	7,120.0357	7,120.0357	2.3028		7,177.6048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0555	3.3394	0.8913	0.0150	0.3600	0.0211	0.3810	0.1012	0.0202	0.1214		1,644.6256	1,644.6256	0.0906	0.2612	1,724.7185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0800	0.0558	0.9035	2.4700e-003	0.2163	1.6800e-003	0.2180	0.0586	1.5500e-003	0.0602		250.0188	250.0188	6.3000e-003	5.7700e-003	251.8959
Total	0.1355	3.3951	1.7948	0.0174	0.5763	0.0227	0.5990	0.1598	0.0217	0.1815		1,894.6445	1,894.6445	0.0969	0.2669	1,976.6144

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975		4,593.3809	4,593.3809	1.4856		4,630.5207
Total	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975		4,593.3809	4,593.3809	1.4856		4,630.5207

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1025	3.4161	1.3234	0.0166	0.5701	0.0172	0.5873	0.1642	0.0164	0.1806		1,782.5140	1,782.5140	0.0597	0.2563	1,860.3769
Worker	0.7265	0.5064	8.2038	0.0225	2.5373	0.0153	2.5526	0.6729	0.0141	0.6870		2,270.1711	2,270.1711	0.0572	0.0524	2,287.2144
Total	0.8289	3.9226	9.5272	0.0390	3.1074	0.0324	3.1399	0.8371	0.0305	0.8675		4,052.6851	4,052.6851	0.1170	0.3087	4,147.5913

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975	0.0000	4,593.3809	4,593.3809	1.4856		4,630.5207
Total	2.4565	23.1468	19.0855	0.0474		0.9755	0.9755		0.8975	0.8975	0.0000	4,593.3809	4,593.3809	1.4856		4,630.5207

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1025	3.4161	1.3234	0.0166	0.4645	0.0172	0.4817	0.1382	0.0164	0.1547		1,782.5140	1,782.5140	0.0597	0.2563	1,860.3769
Worker	0.7265	0.5064	8.2038	0.0225	1.9638	0.0153	1.9791	0.5321	0.0141	0.5462		2,270.1711	2,270.1711	0.0572	0.0524	2,287.2144
Total	0.8289	3.9226	9.5272	0.0390	2.4283	0.0324	2.4608	0.6704	0.0305	0.7009		4,052.6851	4,052.6851	0.1170	0.3087	4,147.5913

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321		4,593.8270	4,593.8270	1.4857		4,630.9704
Total	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321		4,593.8270	4,593.8270	1.4857		4,630.9704

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0993	3.4231	1.2953	0.0163	0.5701	0.0173	0.5874	0.1642	0.0165	0.1807		1,755.7440	1,755.7440	0.0600	0.2527	1,832.5456
Worker	0.6768	0.4520	7.6232	0.0218	2.5373	0.0146	2.5519	0.6729	0.0135	0.6864		2,205.8273	2,205.8273	0.0518	0.0487	2,221.6410
Total	0.7761	3.8751	8.9185	0.0381	3.1074	0.0319	3.1393	0.8371	0.0300	0.8671		3,961.5713	3,961.5713	0.1118	0.3014	4,054.1866

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321	0.0000	4,593.8270	4,593.8270	1.4857		4,630.9704
Total	2.3637	21.5712	18.8163	0.0475		0.9045	0.9045		0.8321	0.8321	0.0000	4,593.8270	4,593.8270	1.4857		4,630.9704

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0993	3.4231	1.2953	0.0163	0.4645	0.0173	0.4818	0.1382	0.0165	0.1548		1,755.7440	1,755.7440	0.0600	0.2527	1,832.5456
Worker	0.6768	0.4520	7.6232	0.0218	1.9638	0.0146	1.9784	0.5321	0.0135	0.5456		2,205.8273	2,205.8273	0.0518	0.0487	2,221.6410
Total	0.7761	3.8751	8.9185	0.0381	2.4283	0.0319	2.4602	0.6704	0.0300	0.7004		3,961.5713	3,961.5713	0.1118	0.3014	4,054.1866

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1457	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927		2,353.7000	2,353.7000	0.7612		2,372.7308
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6435	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927		2,353.7000	2,353.7000	0.7612		2,372.7308

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0537	0.0358	0.6045	1.7300e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		174.9114	174.9114	4.1100e-003	3.8600e-003	176.1654
Total	0.0537	0.0358	0.6045	1.7300e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		174.9114	174.9114	4.1100e-003	3.8600e-003	176.1654

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.4 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1457	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927	0.0000	2,353.7000	2,353.7000	0.7612		2,372.7308
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6435	10.7513	16.4775	0.0243		0.5355	0.5355		0.4927	0.4927	0.0000	2,353.7000	2,353.7000	0.7612		2,372.7308

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0537	0.0358	0.6045	1.7300e-003	0.1557	1.1600e-003	0.1569	0.0422	1.0700e-003	0.0433		174.9114	174.9114	4.1100e-003	3.8600e-003	176.1654
Total	0.0537	0.0358	0.6045	1.7300e-003	0.1557	1.1600e-003	0.1569	0.0422	1.0700e-003	0.0433		174.9114	174.9114	4.1100e-003	3.8600e-003	176.1654

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	66.8979	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1342	0.0896	1.5112	4.3300e-003	0.5030	2.9000e-003	0.5059	0.1334	2.6700e-003	0.1361		437.2785	437.2785	0.0103	9.6600e-003	440.4134
Total	0.1342	0.0896	1.5112	4.3300e-003	0.5030	2.9000e-003	0.5059	0.1334	2.6700e-003	0.1361		437.2785	437.2785	0.0103	9.6600e-003	440.4134

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

3.5 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	66.8979	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1342	0.0896	1.5112	4.3300e-003	0.3893	2.9000e-003	0.3922	0.1055	2.6700e-003	0.1082		437.2785	437.2785	0.0103	9.6600e-003	440.4134
Total	0.1342	0.0896	1.5112	4.3300e-003	0.3893	2.9000e-003	0.3922	0.1055	2.6700e-003	0.1082		437.2785	437.2785	0.0103	9.6600e-003	440.4134

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2232	10.8818	23.0606	0.0870	6.1932	0.0856	6.2788	1.6716	0.0810	1.7526		9,132.9330	9,132.9330	0.4573	0.8542	9,398.9035
Unmitigated	2.2232	10.8818	23.0606	0.0870	6.1932	0.0856	6.2788	1.6716	0.0810	1.7526		9,132.9330	9,132.9330	0.4573	0.8542	9,398.9035

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Industrial Park	614.22	614.22	614.22	2,442,683	2,442,683
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	210.00	210.00	210.00	399,545	399,545
Total	824.22	824.22	824.22	2,842,228	2,842,228

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Industrial Park	0.408409	0.047731	0.141005	0.095920	0.017979	0.045700	0.061300	0.163000	0.000000	0.000000	0.018956	0.000000	0.000000
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Industrial Park	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 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
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Industrial Park	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 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
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6331	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920
Unmitigated	6.6371	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729

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	0.4021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9800e-003	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729
Total	6.6371	6.9000e-004	0.0756	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1623	0.1623	4.2000e-004		0.1729

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4021					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.9600e-003	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920
Total	6.6331	3.8000e-004	0.0438	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0875	0.0875	1.8000e-004		0.0920

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

Figueroa Street Business Park - Los Angeles-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

**Figueroa Street Business Park
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	307.11	1000sqft	7.05	307,113.00	0
Other Asphalt Surfaces	22.50	1000sqft	0.52	22,500.00	0
Parking Lot	407.00	Space	3.66	162,800.00	0
City Park	1.02	Acre	1.02	44,360.00	0
Strip Mall	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - Per site plan
 Construction Phase - Per Construction Questionnaire.
 Off-road Equipment - Per Construction Questionnaire.
 Off-road Equipment - Per Construction Questionnaire. "Other Construction Equipment" = Pile Driver
 Off-road Equipment - Per Construction Questionnaire.
 Off-road Equipment - Per Construction Questionnaire.
 Grading - per construction questionnaire + remediation plan

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Study.

Area Coating - SCAQMD Rule 1113

Energy Use - Per operational questionnaire

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations.

Area Mitigation - SCAQMD Rule 445 prohibits the installation of any open or enclosed permanently installed wood burning device. Per operational questionnaire, all electric landscape equipment could be used.

Energy Mitigation -

Water Mitigation - Per operational questionnaire, low-flow water fixtures and water-efficiency irrigation system would be installed.

Waste Mitigation - Per AB 341

Fleet Mix - Per Traffic Study.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	300.00	264.00
tblConstructionPhase	NumDays	30.00	88.00
tblConstructionPhase	NumDays	20.00	22.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	NT24NG	0.49	0.00
tblEnergyUse	T24NG	9.92	0.00

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

tblEnergyUse	T24NG	1.14	0.00
tblFleetMix	HHD	8.0790e-003	0.16
tblFleetMix	LDA	0.54	0.41
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.19	0.14
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.2390e-003	0.05
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MDV	0.13	0.10
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblGrading	MaterialExported	0.00	18,012.00
tblLandUse	LandUseSquareFeet	307,110.00	307,113.00
tblLandUse	LandUseSquareFeet	44,431.20	44,360.00
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	187.00	247.00
tblOffRoadEquipment	HorsePower	221.00	158.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	HorsePower	172.00	475.00
tblOffRoadEquipment	HorsePower	80.00	367.00
tblOffRoadEquipment	HorsePower	247.00	97.00
tblOffRoadEquipment	HorsePower	203.00	97.00
tblOffRoadEquipment	HorsePower	203.00	46.00
tblOffRoadEquipment	HorsePower	203.00	130.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.41	0.40

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

tblOffRoadEquipment	LoadFactor	0.50	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.48
tblOffRoadEquipment	LoadFactor	0.40	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.45
tblOffRoadEquipment	LoadFactor	0.36	0.42
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.54	2.00
tblVehicleTrips	ST_TR	42.04	52.50
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.24	2.00
tblVehicleTrips	SU_TR	20.43	52.50
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.37	2.00
tblVehicleTrips	WD_TR	44.32	52.50

2.0 Emissions Summary

Figuroa Street Business Park - Los Angeles-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2876	2.7905	2.5635	7.6800e-003	0.2335	0.1034	0.3369	0.0516	0.0952	0.1468	0.0000	693.3811	693.3811	0.1583	0.0229	704.1664
2024	1.0348	2.4183	2.6548	7.9100e-003	0.2789	0.0900	0.3689	0.0752	0.0829	0.1581	0.0000	716.1704	716.1704	0.1369	0.0249	726.9977
Maximum	1.0348	2.7905	2.6548	7.9100e-003	0.2789	0.1034	0.3689	0.0752	0.0952	0.1581	0.0000	716.1704	716.1704	0.1583	0.0249	726.9977

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2876	2.7905	2.5635	7.6800e-003	0.1538	0.1034	0.2572	0.0382	0.0952	0.1333	0.0000	693.3806	693.3806	0.1583	0.0229	704.1659
2024	1.0348	2.4183	2.6548	7.9100e-003	0.2181	0.0900	0.3081	0.0603	0.0829	0.1432	0.0000	716.1699	716.1699	0.1369	0.0249	726.9972
Maximum	1.0348	2.7905	2.6548	7.9100e-003	0.2181	0.1034	0.3081	0.0603	0.0952	0.1432	0.0000	716.1699	716.1699	0.1583	0.0249	726.9972

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	27.42	0.00	19.91	22.37	0.00	9.31	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	1.3105	1.3105
2	9-1-2023	11-30-2023	1.4482	1.4482
3	12-1-2023	2-29-2024	0.9571	0.9571
4	3-1-2024	5-31-2024	0.9421	0.9421
5	6-1-2024	8-31-2024	1.6898	1.6898
6	9-1-2024	9-30-2024	0.1563	0.1563
		Highest	1.6898	1.6898

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2109	9.0000e-005	9.4500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0184	0.0184	5.0000e-005	0.0000	0.0196
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	700.1908	700.1908	0.0591	7.1600e-003	703.8030
Mobile	0.3915	2.0977	4.1543	0.0156	1.1059	0.0156	1.1215	0.2990	0.0147	0.3138	0.0000	1,483.0876	1,483.0876	0.0766	0.1426	1,527.4904
Waste						0.0000	0.0000		0.0000	0.0000	78.1739	0.0000	78.1739	4.6199	0.0000	193.6724
Water						0.0000	0.0000		0.0000	0.0000	22.6251	167.4352	190.0603	2.3380	0.0566	265.3708
Total	1.6024	2.0978	4.1637	0.0156	1.1059	0.0156	1.1215	0.2990	0.0148	0.3138	100.7990	2,350.7320	2,451.5310	7.0936	0.2063	2,690.3562

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2104	5.0000e-005	5.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	9.9200e-003	9.9200e-003	2.0000e-005	0.0000	0.0104
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	700.1908	700.1908	0.0591	7.1600e-003	703.8030
Mobile	0.3915	2.0977	4.1543	0.0156	1.1059	0.0156	1.1215	0.2990	0.0147	0.3138	0.0000	1,483.0876	1,483.0876	0.0766	0.1426	1,527.4904
Waste						0.0000	0.0000		0.0000	0.0000	19.5435	0.0000	19.5435	1.1550	0.0000	48.4181
Water						0.0000	0.0000		0.0000	0.0000	18.1001	134.3307	152.4308	1.8704	0.0453	212.6812
Total	1.6019	2.0977	4.1597	0.0156	1.1059	0.0156	1.1215	0.2990	0.0148	0.3138	37.6436	2,317.6191	2,355.2626	3.1611	0.1950	2,492.4031

	ROG	NOx	CO	SO2	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	0.03	0.00	0.10	0.00	0.00	0.13	0.00	0.00	0.14	0.01	62.65	1.41	3.93	55.44	5.48	7.36

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/1/2023	10/2/2023	5	88	
2	Building Construction	Building Construction	9/1/2023	9/4/2024	5	264	
3	Paving	Paving	8/6/2024	9/4/2024	5	22	

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

4	Architectural Coating	Architectural Coating	8/6/2024	9/4/2024	5	22
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 132

Acres of Paving: 4.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 466,670; Non-Residential Outdoor: 155,557; Striped Parking Area: 11,118 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	158	0.38
Grading	Excavators	2	8.00	187	0.41
Grading	Graders	1	8.00	247	0.40
Grading	Rollers	1	8.00	367	0.48
Grading	Rubber Tired Loaders	1	8.00	97	0.37
Grading	Scrapers	1	8.00	367	0.48
Grading	Surfacing Equipment	1	8.00	263	0.30
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Excavators	1	8.00	89	0.20
Building Construction	Other Construction Equipment	1	8.00	475	0.50
Building Construction	Rubber Tired Dozers	1	8.00	97	0.37
Building Construction	Rubber Tired Loaders	1	8.00	46	0.45
Building Construction	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Rubber Tired Loaders	1	8.00	130	0.42
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	25.00	0.00	2,252.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	227.00	89.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	45.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Figuroa Street Business Park - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0710	0.0000	0.0710	7.7100e-003	0.0000	7.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1408	1.4588	1.2756	3.2400e-003		0.0591	0.0591		0.0543	0.0543	0.0000	284.2043	284.2043	0.0919	0.0000	286.5022
Total	0.1408	1.4588	1.2756	3.2400e-003	0.0710	0.0591	0.1301	7.7100e-003	0.0543	0.0620	0.0000	284.2043	284.2043	0.0919	0.0000	286.5022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3800e-003	0.1548	0.0394	6.6000e-004	0.0194	9.3000e-004	0.0203	5.3200e-003	8.9000e-004	6.2100e-003	0.0000	65.6761	65.6761	3.6100e-003	0.0104	68.8746
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.7700e-003	0.0375	1.0000e-004	0.0121	7.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	9.5947	9.5947	2.6000e-004	2.5000e-004	9.6755
Total	5.8700e-003	0.1576	0.0769	7.6000e-004	0.0314	1.0000e-003	0.0324	8.5200e-003	9.6000e-004	9.4800e-003	0.0000	75.2708	75.2708	3.8700e-003	0.0107	78.5500

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

3.2 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0263	0.0000	0.0263	2.8600e-003	0.0000	2.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1408	1.4588	1.2756	3.2400e-003		0.0591	0.0591		0.0543	0.0543	0.0000	284.2039	284.2039	0.0919	0.0000	286.5019
Total	0.1408	1.4588	1.2756	3.2400e-003	0.0263	0.0591	0.0854	2.8600e-003	0.0543	0.0572	0.0000	284.2039	284.2039	0.0919	0.0000	286.5019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3800e-003	0.1548	0.0394	6.6000e-004	0.0156	9.3000e-004	0.0165	4.3900e-003	8.9000e-004	5.2800e-003	0.0000	65.6761	65.6761	3.6100e-003	0.0104	68.8746
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.7700e-003	0.0375	1.0000e-004	9.3400e-003	7.0000e-005	9.4100e-003	2.5300e-003	7.0000e-005	2.6000e-003	0.0000	9.5947	9.5947	2.6000e-004	2.5000e-004	9.6755
Total	5.8700e-003	0.1576	0.0769	7.6000e-004	0.0249	1.0000e-003	0.0259	6.9200e-003	9.6000e-004	7.8800e-003	0.0000	75.2708	75.2708	3.8700e-003	0.0107	78.5500

Figueroa Street Business Park - Los Angeles-South Coast County, Annual

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

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1056	0.9953	0.8207	2.0400e-003		0.0420	0.0420		0.0386	0.0386	0.0000	179.1829	179.1829	0.0580	0.0000	180.6317
Total	0.1056	0.9953	0.8207	2.0400e-003		0.0420	0.0420		0.0386	0.0386	0.0000	179.1829	179.1829	0.0580	0.0000	180.6317

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3200e-003	0.1542	0.0577	7.1000e-004	0.0241	7.4000e-004	0.0249	6.9600e-003	7.1000e-004	7.6700e-003	0.0000	69.5834	69.5834	2.3300e-003	0.0100	72.6257
Worker	0.0310	0.0246	0.3326	9.3000e-004	0.1070	6.6000e-004	0.1076	0.0284	6.0000e-004	0.0290	0.0000	85.1397	85.1397	2.2600e-003	2.2200e-003	85.8568
Total	0.0353	0.1788	0.3903	1.6400e-003	0.1311	1.4000e-003	0.1325	0.0354	1.3100e-003	0.0367	0.0000	154.7231	154.7231	4.5900e-003	0.0122	158.4825

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3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1056	0.9953	0.8207	2.0400e-003		0.0420	0.0420		0.0386	0.0386	0.0000	179.1827	179.1827	0.0580	0.0000	180.6315
Total	0.1056	0.9953	0.8207	2.0400e-003		0.0420	0.0420		0.0386	0.0386	0.0000	179.1827	179.1827	0.0580	0.0000	180.6315

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3200e-003	0.1542	0.0577	7.1000e-004	0.0197	7.4000e-004	0.0204	5.8700e-003	7.1000e-004	6.5800e-003	0.0000	69.5834	69.5834	2.3300e-003	0.0100	72.6257
Worker	0.0310	0.0246	0.3326	9.3000e-004	0.0829	6.6000e-004	0.0835	0.0225	6.0000e-004	0.0231	0.0000	85.1397	85.1397	2.2600e-003	2.2200e-003	85.8568
Total	0.0353	0.1788	0.3903	1.6400e-003	0.1025	1.4000e-003	0.1039	0.0284	1.3100e-003	0.0297	0.0000	154.7231	154.7231	4.5900e-003	0.0122	158.4825

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3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2104	1.9198	1.6747	4.2200e-003		0.0805	0.0805		0.0741	0.0741	0.0000	370.9030	370.9030	0.1200	0.0000	373.9020
Total	0.2104	1.9198	1.6747	4.2200e-003		0.0805	0.0805		0.0741	0.0741	0.0000	370.9030	370.9030	0.1200	0.0000	373.9020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.6700e-003	0.3199	0.1170	1.4500e-003	0.0499	1.5400e-003	0.0515	0.0144	1.4800e-003	0.0159	0.0000	141.8606	141.8606	4.8300e-003	0.0204	148.0712
Worker	0.0598	0.0454	0.6401	1.8700e-003	0.2214	1.3000e-003	0.2227	0.0588	1.2000e-003	0.0600	0.0000	171.2368	171.2368	4.2400e-003	4.2600e-003	172.6135
Total	0.0685	0.3653	0.7570	3.3200e-003	0.2713	2.8400e-003	0.2741	0.0732	2.6800e-003	0.0759	0.0000	313.0974	313.0974	9.0700e-003	0.0247	320.6847

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3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2104	1.9198	1.6746	4.2200e-003		0.0805	0.0805		0.0741	0.0741	0.0000	370.9026	370.9026	0.1200	0.0000	373.9015
Total	0.2104	1.9198	1.6746	4.2200e-003		0.0805	0.0805		0.0741	0.0741	0.0000	370.9026	370.9026	0.1200	0.0000	373.9015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.6700e-003	0.3199	0.1170	1.4500e-003	0.0407	1.5400e-003	0.0423	0.0122	1.4800e-003	0.0136	0.0000	141.8606	141.8606	4.8300e-003	0.0204	148.0712
Worker	0.0598	0.0454	0.6401	1.8700e-003	0.1715	1.3000e-003	0.1728	0.0466	1.2000e-003	0.0478	0.0000	171.2368	171.2368	4.2400e-003	4.2600e-003	172.6135
Total	0.0685	0.3653	0.7570	3.3200e-003	0.2122	2.8400e-003	0.2151	0.0587	2.6800e-003	0.0614	0.0000	313.0974	313.0974	9.0700e-003	0.0247	320.6847

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

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1183	0.1813	2.7000e-004		5.8900e-003	5.8900e-003		5.4200e-003	5.4200e-003	0.0000	23.4877	23.4877	7.6000e-003	0.0000	23.6776
Paving	5.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0181	0.1183	0.1813	2.7000e-004		5.8900e-003	5.8900e-003		5.4200e-003	5.4200e-003	0.0000	23.4877	23.4877	7.6000e-003	0.0000	23.6776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.4000e-004	6.2700e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6782	1.6782	4.0000e-005	4.0000e-005	1.6917
Total	5.9000e-004	4.4000e-004	6.2700e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6782	1.6782	4.0000e-005	4.0000e-005	1.6917

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

3.4 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0126	0.1183	0.1813	2.7000e-004		5.8900e-003	5.8900e-003		5.4200e-003	5.4200e-003	0.0000	23.4876	23.4876	7.6000e-003	0.0000	23.6775
Paving	5.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0181	0.1183	0.1813	2.7000e-004		5.8900e-003	5.8900e-003		5.4200e-003	5.4200e-003	0.0000	23.4876	23.4876	7.6000e-003	0.0000	23.6775

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.4000e-004	6.2700e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6782	1.6782	4.0000e-005	4.0000e-005	1.6917
Total	5.9000e-004	4.4000e-004	6.2700e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6782	1.6782	4.0000e-005	4.0000e-005	1.6917

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

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7339					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7359	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4700e-003	1.1100e-003	0.0157	5.0000e-005	5.4200e-003	3.0000e-005	5.4600e-003	1.4400e-003	3.0000e-005	1.4700e-003	0.0000	4.1955	4.1955	1.0000e-004	1.0000e-004	4.2293
Total	1.4700e-003	1.1100e-003	0.0157	5.0000e-005	5.4200e-003	3.0000e-005	5.4600e-003	1.4400e-003	3.0000e-005	1.4700e-003	0.0000	4.1955	4.1955	1.0000e-004	1.0000e-004	4.2293

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3.5 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7339					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7359	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4700e-003	1.1100e-003	0.0157	5.0000e-005	4.2000e-003	3.0000e-005	4.2300e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	4.1955	4.1955	1.0000e-004	1.0000e-004	4.2293
Total	1.4700e-003	1.1100e-003	0.0157	5.0000e-005	4.2000e-003	3.0000e-005	4.2300e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	4.1955	4.1955	1.0000e-004	1.0000e-004	4.2293

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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	0.3915	2.0977	4.1543	0.0156	1.1059	0.0156	1.1215	0.2990	0.0147	0.3138	0.0000	1,483.0876	1,483.0876	0.0766	0.1426	1,527.4904
Unmitigated	0.3915	2.0977	4.1543	0.0156	1.1059	0.0156	1.1215	0.2990	0.0147	0.3138	0.0000	1,483.0876	1,483.0876	0.0766	0.1426	1,527.4904

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Industrial Park	614.22	614.22	614.22	2,442,683	2,442,683
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	210.00	210.00	210.00	399,545	399,545
Total	824.22	824.22	824.22	2,842,228	2,842,228

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Industrial Park	0.408409	0.047731	0.141005	0.095920	0.017979	0.045700	0.061300	0.163000	0.000000	0.000000	0.018956	0.000000	0.000000
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	3.83891e+006	680.8140	0.0575	6.9700e-003	684.3262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	56980	10.1052	8.5000e-004	1.0000e-004	10.1573
Strip Mall	52280	9.2716	7.8000e-004	9.0000e-005	9.3195
Total		700.1908	0.0591	7.1600e-003	703.8030

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	3.83891e+006	680.8140	0.0575	6.9700e-003	684.3262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	56980	10.1052	8.5000e-004	1.0000e-004	10.1573
Strip Mall	52280	9.2716	7.8000e-004	9.0000e-005	9.3195
Total		700.1908	0.0591	7.1600e-003	703.8030

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2104	5.0000e-005	5.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	9.9200e-003	9.9200e-003	2.0000e-005	0.0000	0.0104
Unmitigated	1.2109	9.0000e-005	9.4500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0184	0.0184	5.0000e-005	0.0000	0.0196

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1366					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.7000e-004	9.0000e-005	9.4500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0184	0.0184	5.0000e-005	0.0000	0.0196
Total	1.2109	9.0000e-005	9.4500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0184	0.0184	5.0000e-005	0.0000	0.0196

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1366					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.7000e-004	5.0000e-005	5.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	9.9200e-003	9.9200e-003	2.0000e-005	0.0000	0.0104
Total	1.2104	5.0000e-005	5.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	9.9200e-003	9.9200e-003	2.0000e-005	0.0000	0.0104

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

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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	152.4308	1.8704	0.0453	212.6812
Unmitigated	190.0603	2.3380	0.0566	265.3708

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.21531	2.3945	2.0000e-004	2.0000e-005	2.4069
Industrial Park	71.0192 / 0	186.5298	2.3280	0.0563	261.5133
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.29629 / 0.181597	1.1360	9.7400e-003	2.4000e-004	1.4507
Total		190.0603	2.3379	0.0566	265.3708

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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			
City Park	0 / 1.14118	2.2485	1.9000e-004	2.0000e-005	2.2601
Industrial Park	56.8154 / 0	149.2238	1.8624	0.0451	209.2106
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.237032 / 0.17052	0.9585	7.8000e-003	1.9000e-004	1.2105
Total		152.4308	1.8704	0.0453	212.6812

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	19.5435	1.1550	0.0000	48.4181
Unmitigated	78.1739	4.6199	0.0000	193.6724

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Industrial Park	380.82	77.3030	4.5685	0.0000	191.5150
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	4.2	0.8526	0.0504	0.0000	2.1122
Total		78.1739	4.6199	0.0000	193.6724

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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			
City Park	0.0225	4.5700e-003	2.7000e-004	0.0000	0.0113
Industrial Park	95.205	19.3258	1.1421	0.0000	47.8787
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	1.05	0.2131	0.0126	0.0000	0.5281
Total		19.5435	1.1550	0.0000	48.4181

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

**Figueroa Street Business Park Project
Energy Calculations**

Land Use	Electricity Use	
	(kWh/yr)	(MWh/yr)
Strip Mall	52,280	52
Industrial Park	3,838,910	3,839
Other Asphalt Surfaces	0	0
Parking Lot	56,980	57
City Park	0	0
Totals	3,948,170	3,948

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles County Annual Energy Consumption (2020)	Percentage Increase Countywide
Electricity (MWh)	3,948	65,649,878	0.0060%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Figueroa Street Business Park Project
Energy Calculations**

Vehicle Type	Percent of Vehicle Trips¹	Daily Trips²	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)³	Total Annual Fuel Consumption (gallons)⁴
Passenger Cars	0.54	449	1,548,403	22	70,382
Light/Medium Trucks	0.42	344	1,185,778	17.3	68,542
Heavy Trucks/Other	0.04	31	108,033	6.4	16,880
TOTAL⁶	1.00	824	2,842,228	--	155,804

County On-Road
2024
3,845,945,898
0.0041%

Notes:

- Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
- Daily Trips taken from ITE manual.
- Average fuel economy derived from the Department of Transportation.
- Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
- Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Figueroa Street Business Park Project
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Grading	88	25	14.7	32340		1298.65
Building Construction	264	227	14.7	880942	24.90284233	35375.14
Paving	22	18	14.7	5821		233.76
Architectural Coating	22	45	14.7	14553		584.39
						37491.94
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Grading	88	0	6.9	0		0.00
Building Construction	264	89	6.9	614	8.343886151	73.60
Paving	22	0	6.9	0		0.00
Architectural Coating	22	0	6.9	0		0.00
						73.60
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)¹	Total Fuel Consumption
Grading	88	2252	20	45040		5397.96
Building Construction	264	0	20	0		0.00
Paving	22	0	20	0	8.343886151	0.00
Architectural Coating	22	0	20	0		0.00
						5397.96
TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION						42,963.50

**Figuroa Street Business Park Project
Energy Calculations**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Grading	Bore/Drill Rigs	1	8	158	0.38	2.4016	8	88	1690.73
Grading	Excavators	2	8	187	0.41	3.0668	16	88	4318.05
Grading	Graders	1	8	247	0.4	3.952	8	88	2782.21
Grading	Rollers	1	8	367	0.48	7.0464	8	88	4960.67
Grading	Rubber Tired Loaders	1	8	97	0.37	1.4356	8	88	1010.66
Grading	Scrapers	1	8	367	0.48	7.0464	8	88	4960.67
Grading	Surfacing Equipment	1	8	263	0.3	3.156	8	88	2221.82
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	1.4356	16	88	2021.32
Building Construction	Cranes	1	7	231	0.29	2.6796	7	264	4951.90
Building Construction	Excavators	1	8	89	0.20	0.712	8	264	1503.74
Building Construction	Other Construction Equipment	1	8	475	0.50	9.5	8	264	20064.00
Building Construction	Rubber Tired Dozers	1	8	97	0.37	1.4356	8	264	3031.99
Building Construction	Rubber Tired Loaders	1	8	46	0.45	0.828	8	264	1748.74
Building Construction	Scrapers	1	8	367	0.48	7.0464	8	264	14882.00
Building Construction	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	264	3031.99
Paving	Paving Equipment	2	8	132	0.36	1.9008	16	22	669.08
Paving	Rollers	2	8	80	0.38	1.216	16	22	428.03
Paving	Rubber Tired Loaders	1	8	130	0.42	2.184	8	22	384.38
Paving	Tractors/Loaders/Backhoes	2	8	97	0.37	1.4356	16	22	505.33
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	22	197.68
Total:									75,365
Off-Site Mobile Construction Total:									42,964
TOTAL:									118,328
Notes:									
Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor									
Where:									
Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									