

Appendix B

Air Quality Worksheets from the 2017 Draft EIR

**This Appendix B contains the Air Quality Worksheets from the 2017 Draft EIR.
No changes have been made to these worksheets.**



Appendix B

Air Quality Worksheets

Continental Grand Campus Specific Plan

Draft EIR

Appendix B, Air Quality Worksheets

B-1 Construction Emissions

- 455 Continental Boulevard
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- 1955 East Grand Avenue
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- Construction Summary Excel Spreadsheet

B-2 Operational Emissions

- 455 Continental Boulevard
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- 1955 East Grand Avenue
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- Operational Summary Excel Spreadsheet

B-1 Construction Emissions

B-1 Construction Emissions

- 455 Continental Boulevard
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- 1955 East Grand Avenue
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- Construction Summary Excel Spreadsheet

455 Continental Blvd - South Coast Air Basin, Summer

455 Continental Blvd
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	328.61	1000sqft	7.54	328,612.00	0
Enclosed Parking with Elevator	1,087.00	Space	9.78	434,800.00	0
Parking Lot	20.00	Space	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	702.44	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2 choices for Climate zone- 8 or 11

Land Use - Construction Assumptions

Construction Phase - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Off-highway truck represents water truck 2x per day

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Construction Assumptions - Determine Haul truck route, added 2 trips to Worker to account for water trucks on-site

Demolition -
 Grading - Construction Assumptions
 Vehicle Trips -
 Construction Off-road Equipment Mitigation -
 Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblGrading	AcresOfGrading	54.00	3.51
tblGrading	MaterialExported	0.00	3,888.00
tblLandUse	BuildingSpacesSquareFeet	328,610.00	328,612.00
tblLandUse	LandUseSquareFeet	328,610.00	328,612.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site
tblOffRoadEquipment	PhaseName		Renovation/Grading/Excavation Site
tblOffRoadEquipment	PhaseName		Renovation/Grading/Excavation Building Construction
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

tbOffRoadEquipment	UsageHours	7.00	8.00
tbProjectCharacteristics	OperationalYear	2018	2022
tbTripsAndVMT	HaulingTripNumber	20.00	44.00
tbTripsAndVMT	HaulingTripNumber	486.00	432.00
tbTripsAndVMT	WorkerTripNumber	10.00	12.00
tbTripsAndVMT	WorkerTripNumber	13.00	15.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	5.2462	47.1966	46.5325	0.1632	14.9229	1.1426	15.9694	3.8598	1.0513	4.8449	0.0000	16,565.60	16,565.604	1.4422	0.0000	16,601.65
2022	24.5203	51.7660	57.4183	0.1844	15.6606	1.3158	16.9765	4.0554	1.2389	5.2943	0.0000	18,621.70	18,621.700	1.8586	0.0000	18,668.16
Maximum	24.5203	51.7660	57.4183	0.1844	15.6606	1.3158	16.9765	4.0554	1.2389	5.2943	0.0000	18,621.70	18,621.700	1.8586	0.0000	18,668.16

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	5.2462	47.1966	46.5325	0.1632	14.9229	1.1426	15.9694	3.8598	1.0513	4.8449	0.0000	16,565.60	16,565.604	1.4422	0.0000	16,601.65
2022	24.5203	51.7660	57.4183	0.1844	15.6606	1.3158	16.9765	4.0554	1.2389	5.2943	0.0000	18,621.70	18,621.700	1.8586	0.0000	18,668.16

Maximum	24.5203	51.7660	57.4183	0.1844	15.6606	1.3158	16.9765	4.0564	1.2389	5.2943	0.0000	18,621.70 07	18,621.700 7	1.8586	0.0000	18,668.16 58
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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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	2/15/2021	6	13	
2	Site Preparation/Grading/Excavation	Grading	2/16/2021	7/15/2021	6	129	
3	Building Construction	Building Construction	7/16/2021	9/15/2022	6	366	
4	Paving	Paving	4/1/2022	7/31/2022	6	104	
5	Architectural Coating	Architectural Coating	3/1/2022	9/15/2022	6	171	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 492,918; Non-Residential Outdoor: 164,306; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Off-Highway Trucks	1	3.00	402	0.38
Demolition	Rollers	1	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Scrapers	1	8.00	367	0.48
Site Preparation/Grading/Excavation	Graders	1	8.00	187	0.41
Site Preparation/Grading/Excavation	Off-Highway Trucks	1	3.00	402	0.38
Site Preparation/Grading/Excavation	Rollers	1	8.00	80	0.38

Site Preparation/Grading/Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation/Grading/Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	3	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	12.00	0.00	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation/Grading/Excavation	5	15.00	0.00	432.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	291.00	126.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	291.00	126.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	58.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.3259	0.0000	0.3259	0.0494	0.0000	0.0494			0.0000			0.0000
Off-Road	2.3925	25.5721	14.2745	0.0313		1.1389	1.1389		1.0478	1.0478		3.028.798	3.028.7987	0.9796		3,053.288
Total	2.3925	25.5721	14.2745	0.0313	0.3259	1.1389	1.4648	0.0494	1.0478	1.0971		3.028.798	3.028.7987	0.9796		3,053.288

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0257	0.8776	0.1939	2.6000e-003	0.0591	2.7400e-003	0.0619	0.0162	2.6200e-003	0.0188			282.0277	0.0199		282.5246
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0502	0.0328	0.4506	1.3300e-003	0.1341	9.9000e-004	0.1351	0.0356	9.1000e-004	0.0365			132.8278	3.5800e-003		132.9173
Total	0.0759	0.9103	0.6444	3.9300e-003	0.1933	3.7300e-003	0.1970	0.0518	3.5300e-003	0.0553			414.8555	0.0235		415.4419

Mitigated Construction On-Site

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

Fugitive Dust					0.1467	0.0000	0.1467	0.0222	0.0000	0.0222	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3925	25.5721	14.2745	0.0313	1.1389	1.1389	1.1389	1.0478	1.0478	1.0478	0.0000	3,028.7987	0.9796	3,053.288
Total	2.3925	25.5721	14.2745	0.0313	1.2855	1.2855	1.2855	1.0478	1.0478	1.0700	0.0000	3,028.7987	0.9796	3,053.288

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0257	0.8776	0.1939	2.6000e-003	0.0591	2.7400e-003	0.0619	0.0162	2.6200e-003	0.0188		282.0277	282.0277	0.0199		282.5246
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0328	0.4506	1.3300e-003	0.1341	9.9000e-004	0.1351	0.0356	9.1000e-004	0.0365		132.8278	132.8278	3.5800e-003		132.9173
Total	0.0759	0.9103	0.6444	3.9300e-003	0.1933	3.7300e-003	0.1970	0.0518	3.5300e-003	0.0553		414.8555	414.8555	0.0235		415.4419

3.3 Site Preparation/Grading/Excavation - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					5.0740	0.0000	5.0740	2.7750	0.0000	2.7750			0.0000			0.0000
Off-Road	2.1033	22.6897	11.2973	0.0258	1.0220	1.0220	1.0220	0.9402	0.9402	0.9402		2,503.4714	2,503.4714	0.8097		2,523.713
Total	2.1033	22.6897	11.2973	0.0258	5.0740	1.0220	6.0960	2.7750	0.9402	3.7152		2,503.4714	2,503.4714	0.8097		2,523.713

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0255	0.8683	0.1918	2.5700e-003	0.0585	2.7100e-003	0.0612	0.0160	2.5900e-003	0.0186		279.0464	279.0464	0.0197		279.5381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.0882	0.9092	0.7550	4.2400e-003	0.2262	3.9500e-003	0.2301	0.0605	3.7300e-003	0.0642		445.0811	445.0811	0.0242		445.6847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					2.2833	0.0000	2.2833	1.2487	0.0000	1.2487			0.0000			0.0000
Off-Road	2.1033	22.6897	11.2973	0.0258	1.0220	1.0220	1.0220	0.9402	0.9402	0.9402	0.0000	2,503.4714	2,503.4714	0.8097		2,523.7132
Total	2.1033	22.6897	11.2973	0.0258	2.2833	1.0220	3.3053	1.2487	0.9402	2.1889	0.0000	2,503.4714	2,503.4714	0.8097		2,523.7132

Mitigated Construction Off-Site

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

Category	lb/day										lb/day					
Hauling	0.0255	0.8683	0.1918	2.5700e-003	0.0585	2.7100e-003	0.0612	0.0160	2.5900e-003	0.0186	279.0464	279.0464	0.0197			279.5381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0628	0.0410	0.3632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456	166.0347	166.0347	4.4800e-003			166.1466
Total	0.0882	0.9092	0.7550	4.2400e-003	0.2262	3.9500e-003	0.2301	0.0605	3.7300e-003	0.0642	445.0811	445.0811	0.0242			445.6647

3.4 Building Construction - 2021
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.1015	21.4745	18.8203	0.0348		0.9491	0.9491		0.8937	0.8937		3,300.714	3,300.7141	0.8466			3,321.8798
Total	2.1015	21.4745	18.8203	0.0348		0.9491	0.9491		0.8937	0.8937		3,300.714	3,300.7141	0.8466			3,321.8798

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7090	24.1334	5.8599	0.0638	2.7619	0.0493	2.8112	0.7463	0.0471	0.7935		6,822.742	6,822.7424	0.4219		6,833.2900
Worker	2.4357	1.5887	21.8523	0.0647	12.1610	0.0481	12.2091	3.1135	0.0443	3.1578		6,442.148	6,442.1480	0.1736		6,446.4888

Total	3.1447	25.7221	27.7122	0.1284	14.9229	0.0974	15.0203	3.8598	0.0915	3.9512	13,264.8904	0.5955	13,279.7788
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Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.1015	21.4745	18.8203	0.0348		0.9491	0.9491		0.8937	0.8937	0.0000	3,300.7140	3,300.7140	0.8466		3,321.8798
Total	2.1015	21.4745	18.8203	0.0348		0.9491	0.9491		0.8937	0.8937	0.0000	3,300.7140	3,300.7140	0.8466		3,321.8798

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.7090	24.1334	5.8599	0.0638	2.7619	0.0493	2.8112	0.7463	0.0471	0.7935	6,822.7424	4	6,822.7424	0.4219		6,833.2900
Worker	2.4357	1.5887	21.8523	0.0647	12.1610	0.0481	12.2091	3.1135	0.0443	3.1578	6,442.1480	0	6,442.1480	0.1736		6,446.4888
Total	3.1447	25.7221	27.7122	0.1284	14.9229	0.0974	15.0203	3.8598	0.0915	3.9512	13,264.8904	0.5955	13,264.8904	0.5955		13,279.7788

3.4 Building Construction - 2022
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.9118	19.2445	18.5680	0.0348		0.8176	0.8176		0.7702	0.7702	3,301.1917	7	3,301.1917	0.8424		3,322.2517
Total	1.9118	19.2445	18.5680	0.0348		0.8176	0.8176		0.7702	0.7702	3,301.1917	7	3,301.1917	0.8424		3,322.2517

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6653	22.9228	5.5483	0.0631	2.7619	0.0429	2.8048	0.7463	0.0410	0.7873	6,762.9297	7	6,762.9297	0.4074		6,773.1149
Worker	2.2850	1.4352	20.2080	0.0623	12.1610	0.0468	12.2078	3.1135	0.0431	3.1565	6,211.4715	5	6,211.4715	0.1570		6,215.3957
Total	2.9503	24.3581	25.7564	0.1255	14.9229	0.0897	15.0126	3.8598	0.0841	3.9439	12,974.4012	12	12,974.4012	0.5644		12,988.5106

Mitigated Construction On-Site

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

Off-Road	1.9118	19.2445	18.5680	0.0348	0.8176	0.8176	0.7702	0.0000	3,301.1917	0.8424	3,322.2517
Total	1.9118	19.2445	18.5680	0.0348	0.8176	0.8176	0.7702	0.0000	3,301.1917	0.8424	3,322.2517

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.6653	22.9228	5.5483	0.0631	2.7619	0.0429	2.8048	0.7463	0.0410	0.7873	6,762.9297	7	6,773.1149	0.4074		6,773.1149
Worker	2.2850	1.4352	20.2080	0.0623	12.1610	0.0468	12.2078	3.1135	0.0431	3.1565	6,211.4715	5	6,215.3957	0.1570		6,215.3957
Total	2.9503	24.3581	25.7564	0.1255	14.9229	0.0897	15.0126	3.8598	0.0841	3.9439	12,974.4012	12	12,974.4012	0.5644		12,988.5106

3.5 Paving - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.5514	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	1,103.8302	2	1,103.8302	0.3570		1,112.7552
Paving	4.5300e-003					0.0000	0.0000		0.0000	0.0000	0.0000		0.0000			0.0000
Total	0.5559	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	1,103.8302	2	1,103.8302	0.3570		1,112.7552

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	3.9000e-004	0.0243	85.3811	85.3811	85.3811	2.1600e-003		85.4350
Total	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243	85.3811	85.3811	85.3811	2.1600e-003		85.4350

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Off-Road	0.5514	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	0.0000	1,103.830	1,103.8302	0.3570		1,112.755
Paving	4.5300e-003					0.0000	0.0000		0.0000	0.0000		2	0.0000			0.0000
Total	0.5559	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	0.0000	1,103.830	1,103.8302	0.3570		1,112.755

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0314	0.0197	0.2778	8.6000e-004	0.0894	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243	85.3811	85.3811	2.1600e-003	85.4350	85.4350	85.4350
Total	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243	85.3811	85.3811	2.1600e-003	85.4350	85.4350	85.4350	85.4350

3.6 Architectural Coating - 2022
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	18.5344				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3088	2.4383	3.5121	5.6400e-003	0.1194	0.1194	0.1194	0.1185	0.1185	0.1185	537.8839	537.8839	537.8839	0.0770		539.8096
Total	18.8431	2.4383	3.5121	5.6400e-003	0.1194	0.1194	0.1194	0.1185	0.1185	0.1185	537.8839	537.8839	537.8839	0.0770		539.8096

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.2277	0.1430	2.0139	6.2100e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762	619.0126	619.0126	619.0126	0.0156		619.4037

Total	0.2277	0.1430	2.0139	6.2100e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762	619.0126	619.0126	0.0156	619.4037
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Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	18.5344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3088	2.4383	3.5121	5.6400e-003		0.1194	0.1194		0.1185	0.1185	0.0000	537.8839	537.8839	0.0770		539.8096
Total	18.8431	2.4383	3.5121	5.6400e-003		0.1194	0.1194		0.1185	0.1185	0.0000	537.8839	537.8839	0.0770		539.8096

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.2277	0.1430	2.0139	6.2100e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762			619.0126	619.0126	0.0156	619.4037
Total	0.2277	0.1430	2.0139	6.2100e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762			619.0126	619.0126	0.0156	619.4037

455 Continental Blvd - South Coast Air Basin, Winter

455 Continental Blvd
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	328.61	1000sqft	7.54	328,612.00	0
Enclosed Parking with Elevator	1,087.00	Space	9.78	434,800.00	0
Parking Lot	20.00	Space	0.18	8,000.00	0

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.2 Precipitation Freq (Days) 31
 Climate Zone 8 Operational Year 2022

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr) 702.44 CH4 Intensity (lb/MW/hr) 0.029 N2O Intensity (lb/MW/hr) 0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2 choices for Climate zone- 8 or 11

Land Use - Construction Assumptions

Construction Phase - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Off-highway truck represents water truck 2x per day

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Construction Assumptions - Determine Haul truck route, added 2 trips to Worker to account for water trucks on-site

Demolition -
 Grading - Construction Assumptions
 Vehicle Trips -
 Construction Off-road Equipment Mitigation -
 Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblGrading	AcresOfGrading	54.00	3.51
tblGrading	MaterialExported	0.00	3,888.00
tblLandUse	BuildingSpacesSquareFeet	328,610.00	328,612.00
tblLandUse	LandUseSquareFeet	328,610.00	328,612.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site
tblOffRoadEquipment	PhaseName		Renovation/Grading/Excavation, Site
tblOffRoadEquipment	PhaseName		Renovation/Grading/Excavation, Building Construction
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

tbOffRoadEquipment	UsageHours	7.00	8.00
tbProjectCharacteristics	OperationalYear	2018	2022
tbTripsAndVMT	HaulingTripNumber	20.00	44.00
tbTripsAndVMT	HaulingTripNumber	486.00	432.00
tbTripsAndVMT	WorkerTripNumber	10.00	12.00
tbTripsAndVMT	WorkerTripNumber	13.00	15.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	5.5304	47.2957	45.1144	0.1575	14.9229	1.1426	15.9710	3.8598	1.0513	4.8464	0.0000	15,979.77	15,979.773	1.4600	0.0000	16,016.27
2022	24.8207	51.8520	55.8701	0.1784	15.6606	1.3172	16.9778	4.0554	1.2402	5.2957	0.0000	18,007.00	18,007.005	1.8749	0.0000	18,053.87
Maximum	24.8207	51.8520	55.8701	0.1784	15.6606	1.3172	16.9778	4.0554	1.2402	5.2957	0.0000	18,007.00	18,007.005	1.8749	0.0000	18,053.87

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	5.5304	47.2957	45.1144	0.1575	14.9229	1.1426	15.9710	3.8598	1.0513	4.8464	0.0000	15,979.77	15,979.773	1.4600	0.0000	16,016.27
2022	24.8207	51.8520	55.8701	0.1784	15.6606	1.3172	16.9778	4.0554	1.2402	5.2957	0.0000	18,007.00	18,007.005	1.8749	0.0000	18,053.87

Maximum	24.8207	51.8520	55.8701	0.1784	15.6606	1.3172	16.9778	4.0564	1.2402	5.2957	0.0000	18,007.00	18,007.005	1.8749	0.0000	18,053.87
												58	8			87

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	2/15/2021	6	13	
2	Site Preparation/Grading/Excavation	Grading	2/16/2021	7/15/2021	6	129	
3	Building Construction	Building Construction	7/16/2021	9/15/2022	6	366	
4	Paving	Paving	4/1/2022	7/31/2022	6	104	
5	Architectural Coating	Architectural Coating	3/1/2022	9/15/2022	6	171	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 492,918; Non-Residential Outdoor: 164,306; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Off-Highway Trucks	1	3.00	402	0.38
Demolition	Rollers	1	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Scrapers	1	8.00	367	0.48
Site Preparation/Grading/Excavation	Graders	1	8.00	187	0.41
Site Preparation/Grading/Excavation	Off-Highway Trucks	1	3.00	402	0.38
Site Preparation/Grading/Excavation	Rollers	1	8.00	80	0.38

Site Preparation/Grading/Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation/Grading/Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	3	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	12.00	0.00	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation/Grading/Excavation	5	15.00	0.00	432.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	291.00	126.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	291.00	126.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	58.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.3259	0.0000	0.3259	0.0494	0.0000	0.0494			0.0000			0.0000
Off-Road	2.3925	25.5721	14.2745	0.0313		1.1389	1.1389		1.0478	1.0478		3.028.798	3,028.7987	0.9796		3,053.288
Total	2.3925	25.5721	14.2745	0.0313	0.3259	1.1389	1.4648	0.0494	1.0478	1.0971		3,028.798	3,028.7987	0.9796		3,053.288

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0264	0.8884	0.2065	2.5500e-003	0.0591	2.7800e-003	0.0619	0.0162	2.6600e-003	0.0189			277.1853	0.0206		277.7008
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0553	0.0360	0.4078	1.2500e-003	0.1341	9.9000e-004	0.1351	0.0356	9.1000e-004	0.0365		124.5781	124.5781	3.3500e-003		124.6619
Total	0.0817	0.9244	0.6144	3.8000e-003	0.1933	3.7700e-003	0.1970	0.0518	3.5700e-003	0.0553		401.7634	401.7634	0.0240		402.3627

Mitigated Construction On-Site

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

Fugitive Dust					0.1467	0.0000	0.1467	0.0222	0.0000	0.0222			0.0000			0.0000
Off-Road	2.3925	25.5721	14.2745	0.0313	1.1389	1.1389	1.1389	1.0478	1.0478	1.0478	0.0000	3,028.7987	0.9796	0.9796		3,053.288
Total	2.3925	25.5721	14.2745	0.0313	1.1389	1.1389	1.2855	1.0700	1.0478	1.0700	0.0000	3,028.7987	0.9796	0.9796		3,053.288

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0264	0.8884	0.2065	2.5500e-003	0.0591	2.7800e-003	0.0619	0.0162	2.6600e-003	0.0189		277.1853	277.1853	0.0206		277.7008
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0360	0.4078	1.2500e-003	0.1341	9.9000e-004	0.1351	0.0356	9.1000e-004	0.0365		124.5781	124.5781	3.3500e-003		124.6619
Total	0.0817	0.9244	0.6144	3.8000e-003	0.1933	3.7700e-003	0.1970	0.0518	3.5700e-003	0.0553		401.7634	401.7634	0.0240		402.3627

3.3 Site Preparation/Grading/Excavation - 2021
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					5.0740	0.0000	5.0740	2.7750	0.0000	2.7750			0.0000			0.0000
Off-Road	2.1033	22.6897	11.2973	0.0258	1.0220	1.0220	1.0220	0.9402	0.9402	0.9402		2,503.4714	2,503.4714	0.8097		2,523.713
Total	2.1033	22.6897	11.2973	0.0258	5.0740	1.0220	6.0960	2.7750	0.9402	3.7152		2,503.4714	2,503.4714	0.8097		2,523.713

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0261	0.8790	0.2043	2.5200e-003	0.0585	2.7500e-003	0.0612	0.0160	2.6300e-003	0.0187		274.2552	274.2552	0.0204		274.7653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.0953	0.9240	0.7141	4.0800e-003	0.2262	3.9900e-003	0.2302	0.0605	3.7700e-003	0.0643		429.9779	429.9779	0.0246		430.5926

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					2.2833	0.0000	2.2833	1.2487	0.0000	1.2487			0.0000			0.0000
Off-Road	2.1033	22.6897	11.2973	0.0258	1.0220	1.0220	1.0220	0.9402	0.9402	0.9402	0.0000	2.503.4714	2.503.4714	0.8097		2,523.7132
Total	2.1033	22.6897	11.2973	0.0258	2.2833	1.0220	3.3053	1.2487	0.9402	2.1889	0.0000	2,503.4714	2,503.4714	0.8097		2,523.7132

Mitigated Construction Off-Site

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

Category	lb/day										lb/day					
Hauling	0.0261	0.8790	0.2043	2.5200e-003	0.0585	2.7500e-003	0.0612	0.0160	2.6300e-003	0.0187	274.2552	274.2552	0.0204	0.0000	0.0000	274.7653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456	155.7227	155.7227	4.1900e-003	0.0000	0.0000	155.8274
Total	0.0953	0.9240	0.7141	4.0800e-003	0.2262	3.9900e-003	0.2302	0.0605	3.7700e-003	0.0643	429.9779	429.9779	0.0246	0.0000	0.0000	430.5926

3.4 Building Construction - 2021
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.1015	21.4745	18.8203	0.0348	0.9491	0.9491	0.9491	0.8937	0.8937	0.8937	3,300.714	1	3,300.7141	0.8466		3,321.879
Total	2.1015	21.4745	18.8203	0.0348	0.9491	0.9491	0.9491	0.8937	0.8937	0.8937	3,300.714	1	3,300.7141	0.8466		3,321.879

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.7449	24.0765	6.5139	0.0620	2.7619	0.0508	2.8128	0.7463	0.0486	0.7949	6,637.019	3	6,637.0193	0.4509		6,648.291
Worker	2.6840	1.7447	19.7802	0.0606	12.1610	0.0481	12.2091	3.1135	0.0443	3.1578	6,042.039	7	6,042.0397	0.1625		6,046.102

Total	3.4289	25.8212	26.2941	0.1227	14.9229	0.0990	15.0219	3.8598	0.0930	3.9527	12,679.05	12,679.059	0.6134	12,694.39
											90	0		39

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.1015	21.4745	18.8203	0.0348		0.9491	0.9491		0.8937	0.8937	0.0000	3,300.714	3,300.7140	0.8466		3,321.879
Total	2.1015	21.4745	18.8203	0.0348		0.9491	0.9491		0.8937	0.8937	0.0000	3,300.714	3,300.7140	0.8466		3,321.879
	lb/day															

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7449	24.0765	6.5139	0.0620	2.7619	0.0508	2.8128	0.7463	0.0486	0.7949		6,637.019	6,637.0193	0.4509		6,648.291
Worker	2.6840	1.7447	19.7802	0.0606	12.1610	0.0481	12.2091	3.1135	0.0443	3.1578		6,042.039	6,042.0397	0.1625		6,046.102
Total	3.4289	25.8212	26.2941	0.1227	14.9229	0.0990	15.0219	3.8598	0.0930	3.9527		12,679.05	12,679.059	0.6134		12,694.39
												90	0			39

3.4 Building Construction - 2022
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.9118	19.2445	18.5680	0.0348		0.8176	0.8176		0.7702	0.7702	3,301.1917	7	3,301.1917	0.8424		3,322.2517
Total	1.9118	19.2445	18.5680	0.0348		0.8176	0.8176		0.7702	0.7702	3,301.1917	7	3,301.1917	0.8424		3,322.2517

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.6992	22.8524	6.1695	0.0614	2.7619	0.0443	2.8062	0.7463	0.0423	0.7887		6,577.7572	6,577.7572	0.4351		6,588.6338
Worker	2.5244	1.5758	18.2596	0.0584	12.1610	0.0468	12.2078	3.1135	0.0431	3.1565		5,825.6968	5,825.6968	0.1468		5,829.3662
Total	3.2236	24.4282	24.4291	0.1199	14.9229	0.0910	15.0140	3.8598	0.0854	3.9452		12,403.4540	12,403.4540	0.5819		12,418.0001

Mitigated Construction On-Site

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

Off-Road	1.9118	19.2445	18.5680	0.0348	0.8176	0.8176	0.7702	0.0000	3,301.1917	0.8424	3,322.2517
Total	1.9118	19.2445	18.5680	0.0348	0.8176	0.8176	0.7702	0.0000	3,301.1917	0.8424	3,322.2517

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.6992	22.8524	6.1695	0.0614	2.7619	0.0443	2.8062	0.7463	0.0423	0.7887	6,577.7572	2	6,577.7572	0.4351		6,588.6338
Worker	2.5244	1.5768	18.2596	0.0584	12.1610	0.0468	12.2078	3.1135	0.0431	3.1565	5,825.6968	8	5,825.6968	0.1468		5,829.3662
Total	3.2236	24.4282	24.4291	0.1199	14.9229	0.0910	15.0140	3.8598	0.0854	3.9452	12,403.4540	40	12,403.4540	0.5819		12,418.0001

3.5 Paving - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.5514	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	1,103.8302	2	1,103.8302	0.3570		1,112.7552
Paving	4.5300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5559	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	1,103.8302	2	1,103.8302	0.3570		1,112.7552

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	3.9000e-004	0.0243	80.0783	80.0783	80.0783	2.0200e-003		80.1288
Total	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243	80.0783	80.0783	80.0783	2.0200e-003		80.1288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Off-Road	0.5514	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	0.0000	1,103.830	1,103.8302	0.3570		1,112.755
Paving	4.5300e-003					0.0000	0.0000		0.0000	0.0000		2	0.0000			0.0000
Total	0.5559	5.5624	7.2902	0.0114		0.2840	0.2840		0.2612	0.2612	0.0000	1,103.830	1,103.8302	0.3570		1,112.755

Mitigated Construction Off-Site

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

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0347	0.0217	0.2510	8.0000e-004	0.0894	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243	80.0783	80.0783	2.0200e-003	80.1288
Total	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243	80.0783	80.0783	2.0200e-003	80.1288	

3.6 Architectural Coating - 2022
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	18.5344				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3088	2.4383	3.5121	5.6400e-003	0.1194	0.1194	0.1194	0.1185	0.1185	0.1185	537.8839	537.8839	537.8839	0.0770		539.8096
Total	18.8431	2.4383	3.5121	5.6400e-003	0.1194	0.1194	0.1194	0.1185	0.1185	0.1185	537.8839	537.8839	537.8839	0.0770		539.8096

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.2516	0.1570	1.8197	5.8200e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762	580.5677	580.5677	580.5677	0.0146		580.9334

Total	0.2516	0.1570	1.8197	5.8200e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762	580.5677	580.5677	0.0146	580.9334
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Archit. Coating	18.5344					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3088	2.4383	3.5121	5.6400e-003		0.1194	0.1194		0.1185	0.1185	0.0000	537.8839	537.8839	0.0770		539.8096
Total	18.8431	2.4383	3.5121	5.6400e-003		0.1194	0.1194		0.1185	0.1185	0.0000	537.8839	537.8839	0.0770		539.8096

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.2516	0.1570	1.8197	5.8200e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762			580.5677	0.0146		580.9334
Total	0.2516	0.1570	1.8197	5.8200e-003	0.6483	4.6600e-003	0.6530	0.1719	4.2900e-003	0.1762			580.5677	0.0146		580.9334

1955 E Grand Ave - South Coast Air Basin, Summer

1955 E Grand Ave
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	174.24	1000sqft	4.00	174,236.00	0
Parking Lot	480.00	Space	4.32	192,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2024

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	702.44	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Assumptions

Land Use - Construction Assumptions

Construction Phase - Construction Assumptions

Off-road Equipment -

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Construction Assumptions- for demolition and excavation added 2 trips per worker per day for water truck

tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tbIOffRoadEquipment	PhaseName	Architectural Coating	
tbIOffRoadEquipment	PhaseName	Building Construction	
tbIOffRoadEquipment	PhaseName	Demolition	
tbIOffRoadEquipment	PhaseName	Site Prep/Grading/Excavation	
tbIOffRoadEquipment	PhaseName	Building Construction	
tbIOffRoadEquipment	PhaseName	Demolition	
tbIOffRoadEquipment	PhaseName	Site Prep/Grading/Excavation	
tbIOffRoadEquipment	PhaseName	Building Construction	
tbIOffRoadEquipment	PhaseName	Demolition	
tbIOffRoadEquipment	PhaseName	Building Construction	
tbIOffRoadEquipment	PhaseName	Demolition	
tbIOffRoadEquipment	PhaseName	Site Prep/Grading/Excavation	
tbIOffRoadEquipment	PhaseName	Demolition	
tbIOffRoadEquipment	UsageHours	6.00	8.00
tbIOffRoadEquipment	UsageHours	7.00	8.00
tbIOffRoadEquipment	UsageHours	7.00	8.00
tbIP rojectCharacteristics	OperationalYear	2018	2024
tbISolidWaste	SolidWasteGenerationRate	162.04	162.05
tbTripsAndVMT	HaulingTripNumber	1,147.00	2,578.00
tbTripsAndVMT	HaulingTripNumber	500.00	445.00
tbTripsAndVMT	WorkerTripNumber	20.00	15.00
tbWater	IndoorWaterUseRate	30,968,328.25	30,970,105.59
tbWater	OutdoorWaterUseRate	18,980,588.28	18,981,677.62

2.0 Emissions Summary

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2022	1/31/2023	6	105	
2	Site Prep/Grading/Excavation	Grading	2/1/2023	3/31/2023	6	51	
3	Building Construction	Building Construction	4/1/2023	3/31/2024	6	313	
4	Architectural Coating	Architectural Coating	10/1/2023	3/31/2024	6	156	
5	Paving	Paving	11/1/2023	2/28/2024	6	103	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 261,375; Non-Residential Outdoor: 87,125; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Off-Highway Trucks	1	3.00	402	0.38
Demolition	Rollers	1	8.00	80	0.38
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Scrapers	1	8.00	367	0.48
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Prep/Grading/Excavation	Graders	1	8.00	247	0.40
Site Prep/Grading/Excavation	Off-Highway Trucks	1	8.00	402	0.38
Site Prep/Grading/Excavation	Rollers	1	8.00	80	0.38
Site Prep/Grading/Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Site Prep/Grading/Excavation	Scrapers	1	8.00	367	0.48
Site Prep/Grading/Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	3	8.00	231	0.29

Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	8.00	172	0.42
Building Construction	Rough Terrain Forklifts	3	8.00	100	0.40
Building Construction	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	15.00	0.00	2,578.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site	6	15.00	0.00	445.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Prep/Grading/Excavation/Building Construction	12	136.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	27.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day						
Fugitive Dust						2.3641	0.0000	0.3579	0.0000	0.3579			0.0000				0.0000
Off-Road	2.2606	23.2514	19.2720	0.0446		0.9766	0.9766	0.8985	0.8985	0.8985	4.319.0627	4.319.0627	1.3969	1.3969			4,353.9845
Total	2.2606	23.2514	19.2720	0.0446	2.3641	0.9766	0.9766	0.8985	0.8985	0.3579	4.319.0627	4.319.0627	1.3969	1.3969			4,353.9845

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.1774	5.8926	1.3913	0.0186	0.5357	0.0172	0.5528	0.1437	0.0164	0.1601		2.021.4850	2.021.4850	0.1419			2,025.0319
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003			160.1906
Total	0.2363	5.9296	1.9121	0.0202	0.7033	0.0184	0.7217	0.1882	0.0175	0.2057		2,181.5745	2,181.5745	0.1459			2,185.2225

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					1.0638	0.0000	1.0638	0.1611	0.0000	0.1611			0.0000			0.0000	
Off-Road	2.2606	23.2514	19.2720	0.0446		0.9766	0.9766	0.8985	0.8985	0.8985	0.0000	4.319.0627	4.319.0627	1.3969			4,353.9845
Total					1.0638	0.0000	1.0638	0.1611	0.0000	0.1611			0.0000			0.0000	

Total	2.2606	23.2514	19.2720	0.0446	1.0638	0.9766	2.0405	0.1611	0.8985	1.0596	0.0000	4,319.0627	1.3969	4,353.9845
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Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.1774	5.8926	1.3913	0.0186	0.5357	0.0172	0.5528	0.1437	0.0164	0.1601		2,021.4850	0.1419			2,025.0319
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	4.0500e-003			160.1906
Total	0.2363	5.9296	1.9121	0.0202	0.7033	0.0184	0.7217	0.1882	0.0175	0.2057		2,181.5745	0.1459			2,185.2225

3.2 Demolition - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					2.3641	0.0000	2.3641	0.3579	0.0000	0.3579			0.0000			0.0000
Off-Road	2.1245	21.1479	18.9360	0.0446		0.8670	0.8670		0.7976	0.7976		4,320.0464	1.3972			4,354.9762
Total	2.1245	21.1479	18.9360	0.0446	2.3641	0.8670	3.2311	0.3579	0.7976	1.1556		4,320.0464	1.3972			4,354.9762

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.1165	3.7991	1.2694	0.0178	1.4151	7.0500e-003	1.4222	0.3596	6.7400e-003	0.3663		1,938.5833	0.1319			1,941.8794
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		154.1265	3.6500e-003			154.2177
Total	0.1718	3.8326	1.7504	0.0193	1.5828	8.2200e-003	1.5910	0.4041	7.8200e-003	0.4119		2,092.7098	0.1355			2,096.0972

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					1.0638	0.0000	1.0638	0.1611	0.0000	0.1611			0.0000			0.0000
Off-Road	2.1245	21.1479	18.9360	0.0446		0.8670	0.8670		0.7976	0.7976		4,320.0464	4,320.0464	1.3972		4,354.9762
Total	2.1245	21.1479	18.9360	0.0446	1.0638	0.8670	1.9308	0.1611	0.7976	0.9587		4,320.0464	4,320.0464	1.3972		4,354.9762

Mitigated Construction Off-Site

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

Hauling	0.1165	3.7991	1.2694	0.0178	1.4151	7.0500e-003	1.4222	0.3596	6.7400e-003	0.3663	1,938.5833	0.1319	1,941.8794
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456	154.1265	3.6500e-003	154.2177
Total	0.1718	3.8326	1.7504	0.0193	1.5828	8.2200e-003	1.5910	0.4041	7.8200e-003	0.4119	2,092.7098	0.1355	2,096.0972

3.3 Site Prep/Grading/Excavation - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					5.1903	0.0000	5.1903	2.8036	0.0000	2.8036			0.0000			0.0000
Off-Road	2.7745	28.1203	18.7966	0.0512	1.1334	1.1334	1.1334	1.0427	1.0427	1.0427		5	4,958.5335	1.6037		4,998.6258
Total	2.7745	28.1203	18.7966	0.0512	5.1903	1.1334	6.3237	2.8036	1.0427	3.8463		5	4,958.5335	1.6037		4,998.6258

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0414	1.3501	0.4511	6.3200e-003	0.1524	2.5100e-003	0.1549	0.0418	2.4000e-003	0.0442			688.9389	0.0469		690.1103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456			154.1265	3.6500e-003		154.2177
Total	0.0968	1.3836	0.9321	7.8700e-003	0.3201	3.6800e-003	0.3237	0.0862	3.4800e-003	0.0897			843.0654	0.0505		844.3280

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					2.3356	0.0000	2.3356	1.2616	0.0000	1.2616			0.0000			0.0000
Off-Road	2.7745	28.1203	18.7966	0.0512		1.1334	1.1334		1.0427	1.0427	0.0000	4,958.5335	1.6037			4,998.6258
Total	2.7745	28.1203	18.7966	0.0512	2.3356	1.1334	3.4690	1.2616	1.0427	2.3043	0.0000	4,958.5335	1.6037			4,998.6258

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0414	1.3501	0.4511	6.3200e-003	0.1524	2.5100e-003	0.1549	0.0418	2.4000e-003	0.0442		688.9389	0.0469			690.1103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0335	0.4810	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		154.1265	3.6500e-003			154.2177
Total	0.0968	1.3836	0.9321	7.8700e-003	0.3201	3.6800e-003	0.3237	0.0862	3.4800e-003	0.0897		843.0654	0.0505			844.3280

3.4 Building Construction - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.7609	27.7772	25.7645	0.0531		1.1542	1.1542		1.0777	1.0777		5,064.2960	5,064.2960	1.4082		5,099.5020
Total	2.7609	27.7772	25.7645	0.0531		1.1542	1.1542		1.0777	1.0777		5,064.2960	5,064.2960	1.4082		5,099.5020

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1175	4.1145	1.1925	0.0145	0.3839	4.7100e-003	0.3886	0.1105	4.5000e-003	0.1150		1,560.2188	1,560.2188	0.0858		1,562.3625
Worker	0.5021	0.3035	4.3607	0.0140	1.5202	0.0106	1.5308	0.4032	9.8000e-003	0.4130		1,397.4135	1,397.4135	0.0331		1,398.2407
Total	0.6196	4.4180	5.5532	0.0286	1.9041	0.0154	1.9194	0.5137	0.0143	0.5280		2,957.6323	2,957.6323	0.1188		2,960.6032

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.7609	27.7772	25.7645	0.0531		1.1542	1.1542		1.0777	1.0777		5,064.2960	5,064.2960	1.4082		5,099.5020
Total	2.7609	27.7772	25.7645	0.0531		1.1542	1.1542		1.0777	1.0777		5,064.2960	5,064.2960	1.4082		5,099.5020

Total	2.7609	27.7772	25.7645	0.0531	1.1542	1.1542	1.0777	1.0777	0.0000	5,064.2960	5,064.2960	1.4082	5,099.5020
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Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1175	4.1145	1.1925	0.0145	0.3839	4.7100e-003	0.3886	0.1105	4.5000e-003	0.1150		1,560.2188	1,560.2188	0.0858		1,562.3625
Worker	0.5021	0.3035	4.3607	0.0140	1.5202	0.0106	1.5308	0.4032	9.8000e-003	0.4130		1,397.4135	1,397.4135	0.0331		1,398.2407
Total	0.6196	4.4180	5.5532	0.0286	1.9041	0.0154	1.9194	0.5137	0.0143	0.5280		2,957.6323	2,957.6323	0.1188		2,960.6032

3.4 Building Construction - 2024

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6119	25.8440	25.5717	0.0531		1.0433	1.0433		0.9736	0.9736		5,064.1847	5,064.1847	1.4046		5,099.2985
Total	2.6119	25.8440	25.5717	0.0531		1.0433	1.0433		0.9736	0.9736		5,064.1847	5,064.1847	1.4046		5,099.2985

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1150	4.1036	1.1586	0.0145	0.3839	4.6600e-003	0.3886	0.1105	4.4500e-003	0.1150	1,554.498	3	1,554.4983	0.0845		1,556.6109
Worker	0.4752	0.2766	4.0717	0.0136	1.5202	0.0105	1.5307	0.4032	9.6700e-003	0.4128	1,351.370	9	1,351.3709	0.0303		1,352.1291
Total	0.5902	4.3802	5.2302	0.0280	1.9041	0.0152	1.9193	0.5137	0.0141	0.5278	2,905.869	3	2,905.8693	0.1148		2,908.7399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Off-Road	2.6119	25.8440	25.5717	0.0531		1.0433	1.0433		0.9736	0.9736	0.0000	5,064.184	5,064.1847	1.4046		5,099.2985
Total	2.6119	25.8440	25.5717	0.0531		1.0433	1.0433		0.9736	0.9736	0.0000	5,064.184	5,064.1847	1.4046		5,099.2985

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.1150	4.1036	1.1586	0.0145	0.3839	4.6600e-003	0.3886	0.1105	4.4500e-003	0.1150	1,554.4983	1,554.4983	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	1,556.6109
Worker	0.4752	0.2766	4.0717	0.0136	1.5202	0.0105	1.5307	0.4032	9.6700e-003	0.4128	1,351.370	1,351.3709	0.0303	0.0303	0.0303	0.0303	0.0303	0.0303	0.0303	1,352.1291
Total	0.5902	4.3802	5.2302	0.0280	1.9041	0.0152	1.9193	0.5137	0.0141	0.5278	2,905.8693	2,905.8693	0.1148	0.1148	0.1148	0.1148	0.1148	0.1148	0.1148	2,908.7399

3.5 Architectural Coating - 2023 Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	10.6968				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2902	2.2706	3.5068	5.6400e-003	0.1036	0.1036	0.1036	0.1029	0.1029	0.1029		537.8839	537.8839	0.0751		539.7601
Total	10.9869	2.2706	3.5068	5.6400e-003	0.1036	0.1036	0.1036	0.1029	0.1029	0.1029		537.8839	537.8839	0.0751		539.7601

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0997	0.0603	0.8657	2.7800e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820			277.4277	6.5700e-003		277.5919
Total	0.0997	0.0603	0.8657	2.7800e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820			277.4277	6.5700e-003		277.5919

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	10.6968				0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2902	2.2706	3.5068	5.6400e-003	0.1036	0.1036	0.1036		0.1029	0.1029	0.0000	537.8839	537.8839	0.0751		539.7601
Total	10.9869	2.2706	3.5068	5.6400e-003	0.1036	0.1036	0.1036		0.1029	0.1029	0.0000	537.8839	537.8839	0.0751		539.7601

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0997	0.0603	0.8657	2.7800e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820			277.4277	6.5700e-003		277.5919
Total	0.0997	0.0603	0.8657	2.7800e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820			277.4277	6.5700e-003		277.5919

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	10.6968				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2756	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0904	0.0896	0.0896	0.0896		537.8839	537.8839	0.0737		539.7270
Total	10.9724	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0904	0.0896	0.0896	0.0896		537.8839	537.8839	0.0737		539.7270

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0943	0.0549	0.8083	2.6900e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820			268.2869	6.0200e-003		268.4374
Total	0.0943	0.0549	0.8083	2.6900e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820			268.2869	6.0200e-003		268.4374

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	10.6968				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Off-Road	0.2756	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0896	0.0000	537.8839	537.8839	0.0737	539.7270
Total	10.9724	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0896	0.0000	537.8839	537.8839	0.0737	539.7270

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0943	0.0549	0.8083	2.6900e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820		268.2869	268.2869	6.0200e-003		268.4374
Total	0.0943	0.0549	0.8083	2.6900e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820		268.2869	268.2869	6.0200e-003		268.4374

3.6 Paving - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	0.5164	5.0968	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.1099					0.0000	0.0000		0.0000	0.0000		1	0.0000			0.0000
Total	0.6263	5.0968	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0295	0.0179	0.2565	8.2000e-004	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243		82.2008	82.2008	1.9500e-003		82.2495
Total	0.0295	0.0179	0.2565	8.2000e-004	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243		82.2008	82.2008	1.9500e-003		82.2495

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.1099					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6263	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0295	0.0179	0.2565	8.2000e-004	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243	82.2008	82.2008	1.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	82.2495
Total	0.0295	0.0179	0.2565	8.2000e-004	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243	82.2008	82.2008	1.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	82.2495

3.6 Paving - 2024

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.4941	4.7623	7.3129	0.0114	0.2343	0.2343	0.2343	0.2155	0.2155	0.2155		1,103.7736	1,103.7736	0.3570		1,112.6982
Paving	0.1099				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		6	0.0000			0.0000
Total	0.6040	4.7623	7.3129	0.0114	0.2343	0.2343	0.2343	0.2155	0.2155	0.2155		1,103.7736	1,103.7736	0.3570		1,112.6982

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0163	0.2395	8.0000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		79.4924	79.4924	1.7800e-003		79.5370
Total	0.0280	0.0163	0.2395	8.0000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		79.4924	79.4924	1.7800e-003		79.5370

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.4941	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155	0.0000	1,103.773	1,103.7736	0.3570		1,112.698
Paving	0.1099					0.0000	0.0000		0.0000	0.0000		6	0.0000			0.0000
Total	0.6040	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155	0.0000	1,103.773	1,103.7736	0.3570		1,112.698

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0163	0.2395	8.0000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243	79.4924	79.4924	79.4924	1.7800e-003		79.5370
Total	0.0280	0.0163	0.2395	8.0000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243	79.4924	79.4924	79.4924	1.7800e-003		79.5370

1955 E Grand Ave - South Coast Air Basin, Winter

1955 E Grand Ave
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	174.24	1000sqft	4.00	174,236.00	0
Parking Lot	480.00	Space	4.32	192,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2024

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	702.44	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Assumptions

Land Use - Construction Assumptions

Construction Phase - Construction Assumptions

Off-road Equipment -

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Construction Assumptions- for demolition and excavation added 2 trips per worker per day for water truck

tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tbIOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tbIOffRoadEquipment	PhaseName		Architectural Coating
tbIOffRoadEquipment	PhaseName		Building Construction
tbIOffRoadEquipment	PhaseName		Demolition
tbIOffRoadEquipment	PhaseName		Site Prep/Grading/Excavation
tbIOffRoadEquipment	PhaseName		Building Construction
tbIOffRoadEquipment	PhaseName		Demolition
tbIOffRoadEquipment	PhaseName		Site Prep/Grading/Excavation
tbIOffRoadEquipment	PhaseName		Building Construction
tbIOffRoadEquipment	PhaseName		Demolition
tbIOffRoadEquipment	PhaseName		Building Construction
tbIOffRoadEquipment	PhaseName		Demolition
tbIOffRoadEquipment	PhaseName		Site Prep/Grading/Excavation
tbIOffRoadEquipment	PhaseName		Demolition
tbIOffRoadEquipment	UsageHours	6.00	8.00
tbIOffRoadEquipment	UsageHours	7.00	8.00
tbIOffRoadEquipment	UsageHours	7.00	8.00
tbIProjectCharacteristics	OperationalYear	2018	2024
tbISolidWaste	SolidWasteGenerationRate	162.04	162.05
tbTripsAndVMT	HaulingTripNumber	1,147.00	2,578.00
tbTripsAndVMT	HaulingTripNumber	500.00	445.00
tbTripsAndVMT	WorkerTripNumber	20.00	15.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
2022	2.5076	29.2516	21.2215	0.0644	3.0674	0.9952	4.0627	0.5461	0.9163	1.4624	0.0000	6,455.689	6,455.6890	1.5477	0.0000	6,494.380
2023	15.1972	39.6547	42.8110	0.1008	5.5104	1.5313	6.6475	2.8898	1.4324	3.9360	0.0000	9,872.067	9,872.0670	1.9701	0.0000	9,921.319
2024	14.9731	37.2219	42.2657	0.1002	2.2953	1.3860	3.6813	0.6174	1.2956	1.9130	0.0000	9,812.205	9,812.2053	1.9604	0.0000	9,861.214
Maximum	15.1972	39.6547	42.8110	0.1008	5.5104	1.5313	6.6475	2.8898	1.4324	3.9360	0.0000	9,872.067	9,872.0670	1.9701	0.0000	9,921.319

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
2022	2.5076	29.2516	21.2215	0.0644	1.7672	0.9952	2.7624	0.3493	0.9163	1.2655	0.0000	6,455.689	6,455.6890	1.5477	0.0000	6,494.380
2023	15.1972	39.6547	42.8110	0.1008	2.6557	1.5313	3.8266	1.3478	1.4324	2.3941	0.0000	9,872.067	9,872.0670	1.9701	0.0000	9,921.319
2024	14.9731	37.2219	42.2657	0.1002	2.2953	1.3860	3.6813	0.6174	1.2956	1.9130	0.0000	9,812.205	9,812.2053	1.9604	0.0000	9,861.214
Maximum	15.1972	39.6547	42.8110	0.1008	2.6557	1.5313	3.8266	1.3478	1.4324	2.3941	0.0000	9,872.067	9,872.0670	1.9701	0.0000	9,921.319

Percent Reduction	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	0.00	0.00	0.00	0.00	38.21	0.00	28.64	42.90	0.00	23.78	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2022	1/31/2023	6	105	
2	Site Prep/Grading/Excavation	Grading	2/1/2023	3/31/2023	6	51	
3	Building Construction	Building Construction	4/1/2023	3/31/2024	6	313	
4	Architectural Coating	Architectural Coating	10/1/2023	3/31/2024	6	156	
5	Paving	Paving	11/1/2023	2/28/2024	6	103	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.32

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 261,375; Non-Residential Outdoor: 87,125; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Off-Highway Trucks	1	3.00	402	0.38
Demolition	Rollers	1	8.00	80	0.38
Demolition	Rubber Tired Loaders	2	8.00	203	0.36
Demolition	Scrapers	1	8.00	367	0.48
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Prep/Grading/Excavation	Graders	1	8.00	247	0.40
Site Prep/Grading/Excavation	Off-Highway Trucks	1	8.00	402	0.38
Site Prep/Grading/Excavation	Rollers	1	8.00	80	0.38
Site Prep/Grading/Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Site Prep/Grading/Excavation	Scrapers	1	8.00	367	0.48
Site Prep/Grading/Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	3	8.00	231	0.29
Building Construction	Generator Sets	1	8.00	84	0.74

Fugitive Dust						2.3641	0.0000	2.3641	0.3579	0.0000	0.3579			0.0000		0.0000
Off-Road	2.2606	23.2514	19.2720	0.0446		0.9766	0.9766	0.9766	0.8985	0.8985	0.8985	4,319.0627	1.3969	4,353.984	5	
Total	2.2606	23.2514	19.2720	0.0446	2.3641	0.9766	0.9766	3.3407	0.8985	0.8985	1.2564	4,319.0627	1.3969	4,353.984	5	

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.1820	5.9595	1.4790	0.0183	0.5357	0.0174	0.5531	0.1437	0.0167	0.1604		1,986.4795	0.1470			1,990.1550
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
Total	0.2470	6.0001	1.9496	0.0198	0.7033	0.0186	0.7220	0.1882	0.0178	0.2060		2,136.6264	2,136.6264	0.1508		2,140.3964

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					1.0638	0.0000	1.0638	0.1611	0.0000	0.1611			0.0000			0.0000
Off-Road	2.2606	23.2514	19.2720	0.0446		0.9766	0.9766		0.8985	0.8985	0.0000	4,319.0627	1.3969	4,353.984	5	
Total	2.2606	23.2514	19.2720	0.0446	1.0638	0.9766	2.0405	0.1611	0.8985	1.0596	0.0000	4,319.0627	1.3969	4,353.984	5	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.1820	5.9595	1.4790	0.0183	0.5357	0.0174	0.5531	0.1437	0.0167	0.1604		1,986.4795	1,986.4795	0.1470		1,990.1550
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
Total	0.2470	6.0001	1.9496	0.0198	0.7033	0.0186	0.7220	0.1882	0.0178	0.2060		2,136.6264	2,136.6264	0.1508		2,140.3964

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					2.3641	0.0000	2.3641	0.3579	0.0000	0.3579			0.0000			0.0000
Off-Road	2.1245	21.1479	18.9360	0.0446	0.8670	0.8670	0.8670	0.7976	0.7976	0.7976		4,320.0464	4,320.0464	1.3972		4,354.9762
Total	2.1245	21.1479	18.9360	0.0446	2.3641	0.8670	3.2311	0.3579	0.7976	1.1556		4,320.0464	4,320.0464	1.3972		4,354.9762

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day					
Hauling	0.1196	3.8216	1.3280	0.0175	1.4151	7.2400e-003	1.4224	0.3596	6.9300e-003	0.3665	1,905.2360	0.1359	1,908.6327				
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Worker	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456	144.5539	3.4100e-003	144.6391				
Total	0.1809	3.8583	1.7618	0.0189	1.5828	8.4100e-003	1.5912	0.4041	8.0100e-003	0.4121	2,049.7899	0.1393	2,053.2718				

Mitigated Construction On-Site

Category	lb/day											lb/day				CO2e	
Fugitive Dust					1.0638	0.0000	1.0638	0.1611	0.0000	0.1611	0.0000	0.0000	0.0000				0.0000
Off-Road	2.1245	21.1479	18.9360	0.0446	0.8670	0.8670	0.8670	0.7976	0.7976	0.0000	4,320.0464	1.3972	4,354.9762				
Total	2.1245	21.1479	18.9360	0.0446	1.0638	0.8670	1.9308	0.1611	0.7976	0.0000	4,320.0464	1.3972	4,354.9762				

Mitigated Construction Off-Site

Category	lb/day											lb/day				CO2e	
Hauling	0.1196	3.8216	1.3280	0.0175	1.4151	7.2400e-003	1.4224	0.3596	6.9300e-003	0.3665	1,905.2360	0.1359	1,908.6327				
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Worker	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456	144.5539	3.4100e-003	144.6391				

Total	0.1809	3.8583	1.7618	0.0189	1.5828	8.4100e-003	1.5912	0.4041	8.0100e-003	0.4121	2,049.7899	2,049.7899	0.1393	2,053.2718
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3.3 Site Prep/Grading/Excavation - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					5.1903	0.0000	5.1903	2.8036	0.0000	2.8036			0.0000			0.0000
Off-Road	2.7745	28.1203	18.7966	0.0512		1.1334	1.1334		1.0427	1.0427		4,958.5335	4,958.5335	1.6037		4,998.6258
Total	2.7745	28.1203	18.7966	0.0512	5.1903	1.1334	6.3237	2.8036	1.0427	3.8463		4,958.5335	4,958.5335	1.6037		4,998.6258

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0425	1.3581	0.4720	6.2100e-003	0.1524	2.5700e-003	0.1550	0.0418	2.4600e-003	0.0442		677.0878	677.0878	0.0483		678.2949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		144.5539	144.5539	3.4100e-003		144.6391
Total	0.1039	1.3949	0.9057	7.6600e-003	0.3201	3.7400e-003	0.3238	0.0862	3.5400e-003	0.0898		821.6417	821.6417	0.0517		822.9340

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					2.3356	0.0000	2.3356	1.2616	0.0000	1.2616			0.0000			0.0000
Off-Road	2.7745	28.1203	18.7966	0.0512		1.1334	1.1334		1.0427	1.0427	0.0000	4.958.5335	4.958.5335	1.6037		4,998.6258
Total	2.7745	28.1203	18.7966	0.0512	2.3356	1.1334	3.4690	1.2616	1.0427	2.3043	0.0000	4,958.5335	4,958.5335	1.6037		4,998.6258

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0425	1.3581	0.4720	6.2100e-003	0.1524	2.5700e-003	0.1550	0.0418	2.4600e-003	0.0442			677.0878	0.0483		678.2949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0614	0.0367	0.4338	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456			144.5539	3.4100e-003		144.6391
Total	0.1039	1.3949	0.9057	7.6600e-003	0.3201	3.7400e-003	0.3238	0.0862	3.5400e-003	0.0898			821.6417	0.0517		822.9340

3.4 Building Construction - 2023

Unmitigated Construction On-Site

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

Off-Road	2.7609	27.7772	25.7645	0.0531	1.1542	1.1542	1.0777	1.0777	5.064.296 0	5.064.2960	1.4082	5.099.502 0
Total	2.7609	27.7772	25.7645	0.0531	1.1542	1.1542	1.0777	1.0777	5.064.296 0	5.064.2960	1.4082	5.099.502 0

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1236	4.0923	1.3027	0.0142	0.3839	4.9500e-003	0.3889	0.1105	4.7300e-003	0.1153	1,518.180	7	1,518.1807	0.0910		1,520.454
Worker	0.5564	0.3331	3.9328	0.0131	1.5202	0.0106	1.5308	0.4032	9.8000e-003	0.4130	1,310.621	9	1,310.6219	0.0309		1,311.394
Total	0.6800	4.4254	5.2355	0.0273	1.9041	0.0156	1.9197	0.5137	0.0145	0.5282	2,828.802	6	2,828.8026	0.1219		2,831.849

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.7609	27.7772	25.7645	0.0531	1.1542	1.1542	1.1542	1.0777	1.0777	1.0777	0.0000	5.064.296 0	5.064.2960	1.4082		5,099.502 0
Total	2.7609	27.7772	25.7645	0.0531	1.1542	1.1542	1.1542	1.0777	1.0777	1.0777	0.0000	5.064.296 0	5.064.2960	1.4082		5,099.502 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1236	4.0923	1.3027	0.0142	0.3839	4.9500e-003	0.3889	0.1105	4.7300e-003	0.1153	1,518.180	7	1,518.1807	0.0910		1,520.4546
Worker	0.5564	0.3331	3.9328	0.0131	1.5202	0.0106	1.5308	0.4032	9.8000e-003	0.4130	1,310.621	9	1,310.6219	0.0309		1,311.3945
Total	0.6800	4.4254	5.2355	0.0273	1.9041	0.0156	1.9197	0.5137	0.0145	0.5282	2,828.802	6	2,828.8026	0.1219		2,831.8491

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Off-Road	2.6119	25.8440	25.5717	0.0531		1.0433	1.0433		0.9736	0.9736	5,064.184	7	5,064.1847	1.4046		5,099.2985
Total	2.6119	25.8440	25.5717	0.0531		1.0433	1.0433		0.9736	0.9736	5,064.184	7	5,064.1847	1.4046		5,099.2985

Unmitigated Construction Off-Site

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

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1208	4.0827	1.2656	0.0141	0.3839	4.8700e-003	0.3888	0.1105	4.6600e-003	0.1152	1.512.9124	0.0896	1.515.151	1	1
Worker	0.5281	0.3034	3.6658	0.0127	1.5202	0.0105	1.5307	0.4032	9.6700e-003	0.4128	1.267.3058	0.0283	1.268.013	1	1
Total	0.6490	4.3862	4.9314	0.0268	1.9041	0.0154	1.9195	0.5137	0.0143	0.5280	2,760.218	2,760.2182	0.1178	2,783.164	1

Mitigated Construction On-Site

Category	lb/day										lb/day				CO2e
Off-Road	2.6119	25.8440	25.5717	0.0531	1.0433	1.0433	0.9736	0.9736	0.0000	5,064.184	5,064.1847	1.4046	5,099.298	5	
Total	2.6119	25.8440	25.5717	0.0531	1.0433	1.0433	0.9736	0.9736	0.0000	5,064.184	5,064.1847	1.4046	5,099.298	5	

Mitigated Construction Off-Site

Category	lb/day										lb/day				CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.1208	4.0827	1.2656	0.0141	0.3839	4.8700e-003	0.3888	0.1105	4.6600e-003	0.1152	1.512.9124	0.0896	1,515.151	1	
Worker	0.5281	0.3034	3.6658	0.0127	1.5202	0.0105	1.5307	0.4032	9.6700e-003	0.4128	1,267.3058	0.0283	1,268.013	1	

Total	0.6490	4.3862	4.9314	0.0268	1.9041	0.0154	1.9195	0.5137	0.0143	0.5280	2,780.218	2,780.2182	0.1178	2,783.164
											2			1

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	10.6968					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2902	2.2706	3.5068	5.6400e-003		0.1036	0.1036		0.1029	0.1029		537.8839	537.8839	0.0751		539.7601
Total	10.9869	2.2706	3.5068	5.6400e-003		0.1036	0.1036		0.1029	0.1029		537.8839	537.8839	0.0751		539.7601

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1105	0.0661	0.7808	2.6100e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820		260.1970	260.1970	6.1400e-003		260.3504
Total	0.1105	0.0661	0.7808	2.6100e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820		260.1970	260.1970	6.1400e-003		260.3504

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	10.6968				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2902	2.2706	3.5068	5.6400e-003		0.1036	0.1036		0.1029	0.1029	0.0000	537.8839	537.8839	0.0751		539.7601
Total	10.9869	2.2706	3.5068	5.6400e-003		0.1036	0.1036		0.1029	0.1029	0.0000	537.8839	537.8839	0.0751		539.7601

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1105	0.0661	0.7808	2.6100e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820			260.1970	6.1400e-003		260.3504
Total	0.1105	0.0661	0.7808	2.6100e-003	0.3018	2.1100e-003	0.3039	0.0800	1.9500e-003	0.0820			260.1970	6.1400e-003		260.3504

3.5 Architectural Coating - 2024 Unmitigated Construction On-Site

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

Archit. Coating	10.6968								0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2756	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0896	0.0896	0.0896	0.0896	537.8839	537.8839	0.0737	539.7270	539.7270	
Total	10.9724	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0896	0.0896	0.0896	0.0896	537.8839	537.8839	0.0737	539.7270	539.7270	

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1049	0.0602	0.7278	2.5200e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820		251.5975	251.5975	5.6200e-003		251.7379
Total	0.1049	0.0602	0.7278	2.5200e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820		251.5975	251.5975	5.6200e-003		251.7379

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Archit. Coating	10.6968						0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2756	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0904	0.0896	0.0896	0.0896	0.0000	537.8839	537.8839	0.0737		539.7270
Total	10.9724	2.1514	3.5063	5.6400e-003	0.0904	0.0904	0.0904	0.0896	0.0896	0.0896	0.0000	537.8839	537.8839	0.0737		539.7270

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1049	0.0602	0.7278	2.5200e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820	251.5975	251.5975	251.5975	5.6200e-003		251.7379
Total	0.1049	0.0602	0.7278	2.5200e-003	0.3018	2.0800e-003	0.3039	0.0800	1.9200e-003	0.0820		251.5975	251.5975	5.6200e-003		251.7379

3.6 Paving - 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															
Off-Road	0.5164	5.0968	7.2921	0.0114	0.2551	0.2551	0.2551	0.2347	0.2347	0.2347	1,103.792	1	1,103.7921	0.3570		1,112.7168
Paving	0.1099				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total	0.6263	5.0968	7.2921	0.0114	0.2551	0.2551	0.2551	0.2347	0.2347	0.2347	1,103.792	1	1,103.7921	0.3570		1,112.7168

Unmitigated Construction Off-Site

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

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0327	0.0196	0.2313	7.7000e-004	0.0894	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243	77.0954	77.0954	1.8200e-003	77.1409
Total	0.0327	0.0196	0.2313	7.7000e-004	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243	77.0954	77.0954	1.8200e-003	77.1409	

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.5164	5.0958	7.2921	0.0114	0.2551	0.2551	0.2551	0.2347	0.2347	0.2347	0.0000	1,103.792	1,103.7921	0.3570		1,112.7168
Paving	0.1099				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		1	0.0000			0.0000
Total	0.6263	5.0958	7.2921	0.0114	0.2551	0.2551	0.2551	0.2347	0.2347	0.2347	0.0000	1,103.792	1,103.7921	0.3570		1,112.7168

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0327	0.0196	0.2313	7.7000e-004	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243	77.0954	77.0954	1.8200e-003			77.1409

Total	0.0327	0.0196	0.2313	7.7000e-004	0.0894	6.3000e-004	0.0901	0.0237	5.8000e-004	0.0243	77.0954	77.0954	1.8200e-003	77.1409
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3.6 Paving - 2024

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.4941	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155		1,103.773	1,103.7736	0.3570		1,112.698
Paving	0.1099					0.0000	0.0000		0.0000	0.0000		6	0.0000			2
Total	0.6040	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155		1,103.773	1,103.7736	0.3570		1,112.698

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0311	0.0179	0.2156	7.5000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		74.5474	74.5474	1.6600e-003		74.5890
Total	0.0311	0.0179	0.2156	7.5000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		74.5474	74.5474	1.6600e-003		74.5890

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.4941	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155	0.0000	1,103.773	1,103.7736	0.3570		1,112.698
Paving	0.1099					0.0000	0.0000		0.0000	0.0000		6	0.0000			0.0000
Total	0.6040	4.7623	7.3129	0.0114		0.2343	0.2343		0.2155	0.2155	0.0000	1,103.773	1,103.7736	0.3570		1,112.698

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0311	0.0179	0.2156	7.5000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		74.5474	74.5474	1.6600e-003		74.5890
Total	0.0311	0.0179	0.2156	7.5000e-004	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		74.5474	74.5474	1.6600e-003		74.5890

Project Regional Maximum Values

Report Table							
455 Continental Blvd.	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total	
	lb/day						
3.2 Demolition - 2021	2	26	15	<1	1	1	
3.3 Site Preparation/Grading/Excavation - 2021	2	24	12	<1	4	2	
3.4 Building Construction - 2021	6	47	47	<1	16	5	
3.4 Building Construction - 2022	25	52	57	<1	17	5	
3.5 Architectural Coating - 2022							
3.6 Paving - 2022							
Maximum Regional (On-site and Off-Site) Emissions	25	52	57	<1	17	5	
SCAQMD Numeric Indicators	75	100	550	150	150	55	
Over/ (Under)	(50)	(48)	(493)	(150)	(133)	(50)	
Exceeds Indicator?	No	No	No	No	No	No	

Report Table							
1955 Grand Ave	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total	
	lb/day						
3.2 Demolition - 2022	3	29	21	<1	3	1	
3.2 Demolition - 2023	2	25	21	<1	4	1	
3.3 Site Preparation/Grading/Excavation - 2023	3	30	20	<1	4	2	
3.4 Building Construction - 2023	15	40	43	<1	4	2	
3.5 Architectural Coating - 2023							
3.6 Paving - 2023							
3.4 Building Construction - 2024	15	37	43	<1	4	2	
3.5 Architectural Coating - 2024							
3.6 Paving - 2024							
Maximum Regional (On-site and Off-Site) Emissions	15	40	43	<1	4	2	
SCAQMD Numeric Indicators	75	100	550	150	150	55	
Over/ (Under)	(60)	(60)	(507)	(150)	(146)	(53)	
Exceeds Indicator?	No	No	No	No	No	No	

*Colors indicate overlapping construction phases

Mattel Air Quality Section

Project Localized Maximum Values

455 Continental Blvd	NOx	CO	PM10 Total lb/day	PM2.5 Total
3.2 Demolition - 2021	26	14	1	1
3.3 Site Preparation/Grading/Excavation - 2021	23	11	3	2
3.4 Building Construction - 2021	21	19	<1	1
3.4 Building Construction - 2022	27	29	1	1
3.5 Architectural Coating - 2022				
3.6 Paving - 2022				
Maximum Localized (On-site) Emissions	27	29	3	2
SCAQMD Numeric Indicators	247	6661	125	62
Over/ (Under)	(220)	(6631)	(121)	(60)
Exceeds Indicator?	No	No	No	No

1955 Grand Ave	NOx	CO	PM10 Total lb/day	PM2.5 Total
3.2 Demolition - 2022	23	19	2	1
3.2 Demolition - 2023	21	19	2	<1
3.3 Site Preparation/Grading/Excavation - 2023	28	19	3	2
3.4 Building Construction - 2023	35	37	2	1
3.5 Architectural Coating - 2023				
3.6 Paving - 2023				
3.4 Building Construction - 2024	33	36	1	1
3.5 Architectural Coating - 2024				
3.6 Paving - 2024				
Maximum Localized (On-site) Emissions	35	37	3	2
SCAQMD Numeric Indicators	247	6661	125	62
Over/ (Under)	(212)	(6624)	(121)	(60)
Exceeds Indicator?	No	No	No	No

*Colors indicate overlapping construction phases

B-2 Operational Emissions

B-2 Operational Emissions

- 455 Continental Boulevard
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- 1955 East Grand Avenue
 - CalEEMod Summer Output File
 - CalEEMod Winter Output File
- Operational Summary Excel Spreadsheet

455 Continental Blvd - South Coast Air Basin, Summer

455 Continental Blvd
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	246.46	1000sqft	5.66	246,459.00	0
Enclosed Parking with Elevator	1,087.00	Space	9.78	434,800.00	0
Parking Lot	20.00	Space	0.18	8,000.00	0
Research & Development	82.15	1000sqft	1.89	82,153.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022

Utility Company Southern California Edison

CO2 Intensity (lb/MMWhr)	702.44	CH4 Intensity (lb/MMWhr)	0.029	N2O Intensity (lb/MMWhr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2 choices for Climate zone- 8 or 11

Land Use -

Construction Phase - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Off-highway truck represents water truck 2x per day

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Construction Assumptions - Determine Haul truck route
 Demolition -
 Grading - Construction Assumptions
 Vehicle Trips - Traffic Study
 Energy Use -
 Land Use Change -
 Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblProjectCharacteristics	OperationalYear	2018	2024
tblTripsAndVMT	HaulingTripNumber	18.00	21.00
tblTripsAndVMT	HaulingTripNumber	0.00	445.00
tblVehicleTrips	ST_TR	2.46	7.98
tblVehicleTrips	ST_TR	1.90	8.11
tblVehicleTrips	SU_TR	1.05	7.98
tblVehicleTrips	SU_TR	1.11	8.11
tblVehicleTrips	WD_TR	11.03	7.98

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004	0.0236	0.3347
Energy	0.1178	1.0704	0.8992	6.4200e-003	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	1,284.5260	1,284.5260	1,284.5260	0.0246	0.0236	1,292.1593

Category	lb/day										lb/day		
	3.8480	16.6813	51.2792	0.2070	18.2490	0.1444	18.3934	4.8816	0.1342	5.0158	21,099.26	72	21,121.92
Mitigated											2	0.9061	21,121.92
Unmitigated	3.8480	16.6813	51.2792	0.2070	18.2490	0.1444	18.3934	4.8816	0.1342	5.0158	72	0.9061	21,121.92
											2	0.9061	21,121.92

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	1,966.74	1,966.74	1966.74	6,335,785	6,335,785
Parking Lot	0.00	0.00	0.00		
Research & Development	666.26	666.26	666.26	2,251,063	2,251,063
Total	2,633.00	2,633.00	2,633.00	8,586,848	8,586,848

4.3 Trip Type Information

Land Use	Miles										Trip Purpose %			
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	H-HD	MHD	LHD2	LHD1	MDV	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	19.00	19.00	48.00	0.00	0.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	19.00	19.00	48.00	0.00	0.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Enclosed Parking with Elevator	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Research & Development	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
NaturalGas Mitigated	0.1178	1.0704	0.8992	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5260	1,284.5260	0.0246	0.0236	1,292.1593
NaturalGas Unmitigated	0.1178	1.0704	0.8992	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5260	1,284.5260	0.0246	0.0236	1,292.1593

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
lb/day																	
Enclosed Parking with Elevator	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
General Office Building	6198.61	0.0669	0.6077	0.5105	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.2486	729.2486	0.0140	0.0134	733.5821
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
Research & Development	4719.86	0.0509	0.4627	0.3887	2.7800e-003		0.0352	0.0352		0.0352	0.0352		555.2775	555.2775	0.0106	0.0102	558.5772
Total		0.1178	1.0704	0.8992	6.4300e-003		0.0814	0.0814		0.0814	0.0814		1,284.5260	1,284.5260	0.0246	0.0236	1,292.1593

Mitigated

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
lb/day																		
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	6.19861	0.0669	0.6077	0.5105	3.6500e-003	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	729.2486	729.2486	729.2486	0.0140	0.0134	733.5821	
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Research & Development	4.71986	0.0509	0.4627	0.3887	2.7800e-003	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	555.2775	555.2775	555.2775	0.0106	0.0102	558.5772	
Total		0.1178	1.0704	0.8992	6.4300e-003	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	1,284.5260	1,284.526	1,284.526	0.0246	0.0236	1,292.1593	

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004	0.3347	0.3347
Unmitigated	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004	0.3347	0.3347

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.8683				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6634				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	0.0135	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004		0.3347
Total	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004		0.3347

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.8683				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6634				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	0.0135	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004		0.3347
Total	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004		0.3347

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

455 Continental Blvd - South Coast Air Basin, Winter

455 Continental Blvd
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	246.46	1000sqft	5.66	246,459.00	0
Enclosed Parking with Elevator	1,087.00	Space	9.78	434,800.00	0
Parking Lot	20.00	Space	0.18	8,000.00	0
Research & Development	82.15	1000sqft	1.89	82,153.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022

Utility Company Southern California Edison

CO2 Intensity (lb/MMWhr)	702.44	CH4 Intensity (lb/MMWhr)	0.029	N2O Intensity (lb/MMWhr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2 choices for Climate zone- 8 or 11

Land Use -

Construction Phase - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Off-highway truck represents water truck 2x per day

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Construction Assumptions - Determine Haul truck route
 Demolition -
 Grading - Construction Assumptions
 Vehicle Trips - Traffic Study
 Energy Use -
 Land Use Change -
 Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblPProjectCharacteristics	OperationalYear	2018	2024
tblTripsAndVMT	HaulingTripNumber	18.00	21.00
tblTripsAndVMT	HaulingTripNumber	0.00	445.00
tblVehicleTrips	ST_TR	2.46	7.98
tblVehicleTrips	ST_TR	1.90	8.11
tblVehicleTrips	SU_TR	1.05	7.98
tblVehicleTrips	SU_TR	1.11	8.11
tblVehicleTrips	WD_TR	11.03	7.98

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	7.5452	1.3800e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004		0.3347
Energy	0.1178	1.0704	0.8992	6.4200e-003	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	1,284.526	1,284.526	1,284.526	0.0246	0.0236	1,292.159
Mobile	3.6821	17.0180	48.0787	0.1964	18.2490	0.1450	18.3940	4.8816	0.1348	5.0164	20,036.46	20,036.46	20,036.463	0.9044		20,059.07
											31	1	1			23

Total	11.3451	18.0897	49.1242	0.2028	18.2490	0.2269	18.4758	4.8816	0.2166	5.0983		21,321.30	21,321.303	0.9298	0.0236	21,351.56
												33	3			64

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Area	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004		0.3347
Energy	0.1178	1.0704	0.8992	6.4200e-003	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814		1,284.526	1,284.5260	0.0246	0.0236	1,292.159
Mobile	3.6821	17.0180	48.0787	0.1964	18.2490	0.1450	18.3940	4.8816	0.1348	5.0164		20,036.46	20,036.463	0.9044		20,059.07
Total	11.3451	18.0897	49.1242	0.2028	18.2490	0.2269	18.4758	4.8816	0.2166	5.0983		21,321.30	21,321.303	0.9298	0.0236	21,351.56
												33	3			64

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	3.6821	17.0180	48.0787	0.1964	18.2490	0.1450	18.3940	4.8816	0.1348	5.0164		20,036.46	20,036.463	0.9044		20,069.07
Unmitigated	3.6821	17.0180	48.0787	0.1964	18.2490	0.1450	18.3940	4.8816	0.1348	5.0164		20,036.46	20,036.463	0.9044		20,069.07
												31	1			23
												31	1			23

4.2 Trip Summary Information

Category	lb/day													
Natural Gas Mitigated	0.1178	1.0704	0.8992	6.4200e-003	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	1,284.5260	0.0246	0.0236	1,292.1593
Natural Gas Unmitigated	0.1178	1.0704	0.8992	6.4200e-003	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	1,284.5260	0.0246	0.0236	1,292.1593

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	6198.61	0.0669	0.6077	0.5105	3.6500e-003	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	729.2486	729.2486	729.2486	0.0140	0.0134	733.5821
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	4719.86	0.0509	0.4627	0.3887	2.7800e-003	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	555.2775	555.2775	555.2775	0.0106	0.0102	558.5772
Total		0.1178	1.0704	0.8992	6.4300e-003		0.0814	0.0814		0.0814	0.0814		1,284.5260	1,284.5260	0.0246	0.0236	1,292.1593

Mitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	6198.61	0.0669	0.6077	0.5105	3.6500e-003	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	729.2486	729.2486	729.2486	0.0140	0.0134	733.5821

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	4.71986	0.0509	0.4627	0.3887	2.7800e-003	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
Total		0.1178	1.0704	0.8992	6.4300e-003	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004	0.0246	0.3347
Unmitigated	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	0.3142	8.2000e-004	0.0246	0.3347
lb/day																

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.8683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
lb/day																

Landscaping	0.0135	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	8.2000e-004	0.3347
Total	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.3142	0.3142	8.2000e-004	0.3347

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.8683					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6634					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	0.0135	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004			0.3142	8.2000e-004		0.3347
Total	7.5452	1.3300e-003	0.1463	1.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004			0.3142	8.2000e-004		0.3347

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

1955 E Grand Ave - South Coast Air Basin, Summer

1955 E Grand Ave
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	174.24	1000sqft	4.00	174,236.00	0
Parking Lot	480.00	Space	4.32	192,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2024

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	702.44	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Assumptions
- Land Use - Construction Assumptions
- Construction Phase - Construction Assumptions
- Off-road Equipment -
- Off-road Equipment - Construction Assumptions
- Off-road Equipment - Construction Assumptions
- Off-road Equipment - Construction Assumptions
- Off-road Equipment - Construction Assumptions
- Off-road Equipment - Construction Assumptions
- Trips and VMT - Construction Assumptions

- Demolition -
- Grading - Construction Assumptions
- Architectural Coating -
- Construction Off-road Equipment Mitigation -
- Vehicle Trips - Construction Assumptions
- Energy Use -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblProjectCharacteristics	OperationalYear	2018	2024
tblTripsAndVMT	HaulingTripNumber	367.00	825.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,578.00
tblVehicleTrips	ST_TR	2.46	11.03
tblVehicleTrips	SU_TR	1.05	11.03

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Area	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004	3.7000e-004	0.1525
Energy	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Mobile	2.7944	12.1026	37.0379	0.1493	13.1574	0.1042	13.2617	3.5196	0.0968	3.6165	15.223.47	15.223.47	15.223.471	0.6546	0.6546	15,239.83
								19	9	9	15,739.16	15,739.162	0.6649	9.4500e-003	9.4500e-003	15,758.60
Total	6.8082	12.5328	37.4655	0.1519	13.1574	0.1371	13.2945	3.5196	0.1297	3.6494	15,739.16	15,739.162	0.6649	7	7	15,758.60

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525
Energy	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Mobile	2.7944	12.1026	37.0379	0.1493	13.1574	0.1042	13.2617	3.5196	0.0968	3.6165	15.223.47	15.223.47	15.223.47	0.6546		15,239.83
Total	6.8082	12.5328	37.4655	0.1519	13.1574	0.1371	13.2945	3.5196	0.1297	3.6494	15,739.16	15,739.162	15,739.162	0.6649	9.4500e-003	15,758.60

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	2.7944	12.1026	37.0379	0.1493	13.1574	0.1042	13.2617	3.5196	0.0968	3.6165	15.223.47	15.223.47	15.223.47	0.6546		15,239.83
Unmitigated	2.7944	12.1026	37.0379	0.1493	13.1574	0.1042	13.2617	3.5196	0.0968	3.6165	15.223.47	15.223.47	15.223.47	0.6546		15,239.83

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT		Mitigated Annual VMT	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	1,921.82	1,921.82	1921.82	6,191,078	6,191,078	6,191,078	6,191,078
Parking Lot	0.00	0.00	0.00				

Total	1,921.82	1,921.82	1,921.82	6,191,078	6,191,078
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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-	H-S or C-C	H-O or C-NW	H-W or C-	Primary	Diverted	Pass-by		
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4			
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0			

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Natural Gas Mitigated	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Natural Gas Unmitigated	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10 lb/day	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	4382.15	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113

Mitigated

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10 lb/day	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	4382.15	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525
Unmitigated	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.4425				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5179				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	6.1600e-003	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525
Total	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.4425				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5179				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Landscaping	6.1600e-003	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	3.7000e-004	0.1525
Total	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	3.7000e-004	0.1525

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

1955 E Grand Ave - South Coast Air Basin, Winter

1955 E Grand Ave
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	174.24	1000sqft	4.00	174,236.00	0
Parking Lot	480.00	Space	4.32	192,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2024

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	702.44	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumptions

Land Use - Construction Assumptions

Construction Phase - Construction Assumptions

Off-road Equipment -

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Off-road Equipment - Construction Assumptions

Trips and VMT - Construction Assumptions

- Demolition -
- Grading - Construction Assumptions
- Architectural Coating -
- Construction Off-road Equipment Mitigation -
- Vehicle Trips - Construction Assumptions
- Energy Use -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblProjectCharacteristics	OperationalYear	2018	2024
tblTripsAndVMT	HaulingTripNumber	367.00	825.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,578.00
tblVehicleTrips	ST_TR	2.46	11.03
tblVehicleTrips	SU_TR	1.05	11.03

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004	3.7000e-004	0.1525
Energy	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Mobile	2.6737	12.3440	34.7430	0.1417	13.1574	0.1047	13.2621	3.5196	0.0973	3.6169	14,456.15	14,456.15	14,456.15	0.6535	0.6535	14,472.48
											01	1	1			77
Total	6.6875	12.7742	35.1705	0.1443	13.1574	0.1376	13.2950	3.5196	0.1302	3.6498	14,971.84	14,971.84	14,971.840	0.6638	9.4500e-003	14,991.25
											09	9	9			15

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525
Energy	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Mobile	2.6737	12.3440	34.7430	0.1417	13.1574	0.1047	13.2621	3.5196	0.0973	3.6169	14,456.15	14,456.15	14,456.15	0.6535		14,472.48
Total	6.6875	12.7742	35.1705	0.1443	13.1574	0.1376	13.2950	3.5196	0.1302	3.6498	14,971.84	14,971.84	14,971.84	0.6638	9.4500e-003	14,991.25

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	2.6737	12.3440	34.7430	0.1417	13.1574	0.1047	13.2621	3.5196	0.0973	3.6169	14,456.15	14,456.15	14,456.15	0.6535		14,472.48
Unmitigated	2.6737	12.3440	34.7430	0.1417	13.1574	0.1047	13.2621	3.5196	0.0973	3.6169	14,456.15	14,456.15	14,456.15	0.6535		14,472.48

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT		Mitigated Annual VMT	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	1,921.82	1,921.82	1921.82	6,191,078	6,191,078		
Parking Lot	0.00	0.00	0.00				

Total	1,921.82	1,921.82	1,921.82	6,191,078	6,191,078
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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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by			
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4			
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0			

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846
Parking Lot	0.553363	0.042540	0.203692	0.115607	0.014606	0.005830	0.021800	0.032323	0.002120	0.001725	0.004837	0.000711	0.000846

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Natural Gas Mitigated	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Natural Gas Unmitigated	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10 lb/day	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	4382.15	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113

Mitigated

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10 lb/day	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	4382.15	0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0473	0.4296	0.3609	2.5800e-003	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	515.5476	515.5476	515.5476	9.8800e-003	9.4500e-003	518.6113

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525
Unmitigated	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.4425				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5179				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	6.1600e-003	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525
Total	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	0.1432	3.7000e-004		0.1525

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.4425				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5179				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Landscaping	6.1600e-003	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	3.7000e-004	0.1525
Total	3.9666	6.1000e-004	0.0667	0.0000	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	2.4000e-004	0.1432	0.1432	3.7000e-004	0.1525

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Regional Maximums

455 Continental Blvd						
MAXIMUM						
Category	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
lb/day						
Area	7.55	0.00	0.15	0.00	0.00	0.00
Energy	0.12	1.07	0.90	0.01	0.08	0.08
Mobile	3.85	17.02	51.28	0.21	18.39	5.02
Total	11.51	18.09	52.32	0.21	18.48	5.10

1955 Grand Ave						
MAXIMUM						
Category	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
lb/day						
Area	3.97	0.00	0.07	0.00	0.00	0.00
Energy	0.05	0.43	0.36	0.00	0.03	0.03
Mobile	2.79	12.34	37.04	0.15	13.26	3.62
Total	6.81	12.77	37.47	0.15	13.30	3.65

Project Total (455 Continental Blvd + 1955 Grand Ave)						
Category	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
lb/day						
Area	11.51	0.00	0.21	0.00	0.00	0.00
Energy	0.17	1.50	1.26	0.01	0.11	0.11
Mobile	6.64	29.36	88.32	0.36	31.66	8.63
Total Project Operational Emissions	18.32	30.86	89.79	0.37	31.77	8.75
SCAQMD Numeric Indicators	55.00	55.00	550.00	150.00	150.00	55.00
Over/(Under)	-36.68	-24.14	-460.21	-149.63	-118.23	-46.25
Exceeds Thresholds?	No	No	No	No	No	No

Project Total (455 Continental Blvd + 1955 Grand Ave)						
REPORT TABLE	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
lb/day						
Area	12	<1	<1	<1	<1	<1
Energy	<1	2	1	<1	<1	<1
Mobile	7	29	88	<1	32	9
Total Project Operational Emissions	18	31	90	<1	32	9
SCAQMD Numeric Indicators	55	55	550	150	150	55
Over/(Under)	(37)	(24)	(460)	(150)	(118)	(46)
Exceeds Thresholds?	No	No	No	No	No	No

Localized Maximums

455 Continental Blvd MAXIMUM				
Category	NOx	CO	PM10 Total	PM2.5 Total
	lb/day			
Area	0.00133	0.1463	0.00052	0.00052
Energy	1.0704	0.8992	0.0814	0.0814
Total	1.07173	1.0455	0.08192	0.08192

1955 Grand Ave MAXIMUM				
Category	NOx	CO	PM10 Total	PM2.5 Total
	lb/day			
Area	0.00061	0.0667	0.00024	0.00024
Energy	0.4296	0.3609	0.0327	0.0327
Total	0.43021	0.4276	0.03294	0.03294

Project Total (455 Continental Blvd + 1955 Grand Ave)				
Category	NOx	CO	PM10 Total	PM2.5 Total
	lb/day			
Area	0.00194	0.213	0.00076	0.00076
Energy	1.5	1.2601	0.1141	0.1141
Total Project Operational Emissions	1.50194	1.4731	0.11486	0.11486
SCAQMD Numeric Indicators	246.38	6660.63	29.8667	15.65
Over/(Under)	(244.88)	(6659.16)	(29.75)	(15.54)
Exceeds Thresholds?	No	No	No	No

Project Total (455 Continental Blvd + 1955 Grand Ave)				
REPORT TABLE	NOx	CO	PM10 Total	PM2.5 Total
Category	lb/day			
Category				
Area	<1	<1	<1	<1
Energy	2	1	<1	<1
Total Project Operational Emissions	2	1	<1	<1
SCAQMD Numeric Indicators	246	6661	30	16
Over/(Under)	(245)	(6659)	(30)	(16)