3233 Mission Oaks Boulevard Industrial Project - 2022

Ventura County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	176.31	1000sqft	4.05	176,310.00	0
Parking Lot	207.00	Space	1.86	82,800.00	0
Parking Lot	16.00	Space	0.14	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 intensity factors

Land Use - combined Building A and Building B

Construction Phase - Construction phases based on PD. Arch coating phase extended to half of building construction to reflect realistic conditions.

Off-road Equipment - Revised to reflect size of building to be demolished

Off-road Equipment - Revised to reflect realistic conditions

Off-road Equipment - Site prep limited to on-site landscaping, revised to reflect

Trips and VMT -

Demolition -

Grading - Based on PD.

Architectural Coating - VCAPCD Rule 74.2

Vehicle Trips - Total proposed trip gen = 811 ADT. 811/163.556 sf = 4.959 per 1,000 sf per day

Area Coating - VCAPCD Rule 74.2

Energy Use - Title 24 electricity intensity reduced by 30% to account for 2019 Title 22 non-residential energy standards.

Water And Wastewater - Indoor water use reduced by 20% to account for 2016 CALGreen standards

Solid Waste -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55.

Area Mitigation - VCAPCD Rule 74.2

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True

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tblAreaMitigation	UseLowVOCPaintParkingValue	250	150
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	10.00	26.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	230.00	286.00
tblConstructionPhase	NumDays	20.00	158.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	T24E	1.63	1.14
tblGrading	MaterialExported	0.00	6,145.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	1.32	4.96
tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	6.97	4.96
tblWater	IndoorWaterUseRate	40,771,687.50	32,617,350.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1891	33.3265	19.4094	0.0415	6.9084	1.5532	7.9331	3.4622	1.4452	4.4056	0.0000	4,093.6832	4,093.6832	0.9725	0.0000	4,117.9966
2021	20.0391	36.4611	37.9825	0.0747	1.5214	1.7514	3.2729	0.4103	1.6386	2.0489	0.0000	7,316.5416	7,316.5416	1.4757	0.0000	7,353.4337
Maximum	**20.0391**	**36.4611**	**37.9825**	**0.0747**	**6.9084**	**1.7514**	**7.9331**	**3.4622**	**1.6386**	**4.4056**	**0.0000**	**7,316.5416**	**7,316.5416**	**1.4757**	**0.0000**	**7,353.4337**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1891	33.3265	19.4094	0.0415	3.2954	1.5532	4.3202	1.6087	1.4452	2.5521	0.0000	4,093.6832	4,093.6832	0.9725	0.0000	4,117.9966
2021	20.0391	36.4611	37.9825	0.0747	1.5214	1.7514	3.2729	0.4103	1.6386	2.0489	0.0000	7,316.5416	7,316.5416	1.4757	0.0000	7,353.4337
Maximum	**20.0391**	**36.4611**	**37.9825**	**0.0747**	**3.2954**	**1.7514**	**4.3202**	**1.6087**	**1.6386**	**2.5521**	**0.0000**	**7,316.5416**	**7,316.5416**	**1.4757**	**0.0000**	**7,353.4337**

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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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**42.86**	**0.00**	**32.24**	**47.86**	**0.00**	**28.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218
Total	**5.8144**	**6.1775**	**16.8615**	**0.0617**	**5.4044**	**0.1225**	**5.5269**	**1.4433**	**0.1193**	**1.5626**		**6,835.6354**	**6,835.6354**	**0.2545**	**0.0218**	**6,848.4858**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218
Total	**5.8144**	**6.1775**	**16.8615**	**0.0617**	**5.4044**	**0.1225**	**5.5269**	**1.4433**	**0.1193**	**1.5626**		**6,835.6354**	**6,835.6354**	**0.2545**	**0.0218**	**6,848.4858**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/30/2020	6	26	
2	Site Preparation	Site Preparation	10/1/2020	10/30/2020	6	26	
3	Grading	Grading	11/2/2020	12/31/2020	6	52	
4	Building Construction	Building Construction	1/1/2021	11/30/2021	6	286	
5	Architectural Coating	Architectural Coating	7/1/2021	12/31/2021	6	158	
6	Paving	Paving	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 26

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 264,465; Non-Residential Outdoor: 88,155; Striped Parking Area: 5,352 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	5	13.00	0.00	239.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	768.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0124	0.0000	2.0124	0.3048	0.0000	0.3048			0.0000			0.0000
Off-Road	3.0671	30.7884	18.4854	0.0337		1.5418	1.5418		1.4343	1.4343		3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**3.0671**	**30.7884**	**18.4854**	**0.0337**	**2.0124**	**1.5418**	**3.5543**	**0.3048**	**1.4343**	**1.7391**		**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0681	2.5047	0.5733	6.8400e-003	0.1601	0.0106	0.1707	0.0438	0.0101	0.0540		747.8978	747.8978	0.0737		749.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.1220**	**2.5381**	**0.9240**	**7.8300e-003**	**0.2669**	**0.0113**	**0.2782**	**0.0722**	**0.0108**	**0.0830**		**846.0967**	**846.0967**	**0.0763**		**848.0051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9056	0.0000	0.9056	0.1371	0.0000	0.1371			0.0000			0.0000
Off-Road	3.0671	30.7884	18.4854	0.0337		1.5418	1.5418		1.4343	1.4343	0.0000	3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**3.0671**	**30.7884**	**18.4854**	**0.0337**	**0.9056**	**1.5418**	**2.4474**	**0.1371**	**1.4343**	**1.5715**	**0.0000**	**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0681	2.5047	0.5733	6.8400e-003	0.1601	0.0106	0.1707	0.0438	0.0101	0.0540		747.8978	747.8978	0.0737		749.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.1220**	**2.5381**	**0.9240**	**7.8300e-003**	**0.2669**	**0.0113**	**0.2782**	**0.0722**	**0.0108**	**0.0830**		**846.0967**	**846.0967**	**0.0763**		**848.0051**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.2890	13.4374	6.4113	0.0116		0.6881	0.6881		0.6331	0.6331		1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**1.2890**	**13.4374**	**6.4113**	**0.0116**	**6.0221**	**0.6881**	**6.7102**	**3.3102**	**0.6331**	**3.9433**		**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0207	0.0129	0.1349	3.8000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		37.7688	37.7688	1.0200e-003		37.7944
Total	**0.0207**	**0.0129**	**0.1349**	**3.8000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**37.7688**	**37.7688**	**1.0200e-003**		**37.7944**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.2890	13.4374	6.4113	0.0116		0.6881	0.6881		0.6331	0.6331	0.0000	1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**1.2890**	**13.4374**	**6.4113**	**0.0116**	**2.7099**	**0.6881**	**3.3980**	**1.4896**	**0.6331**	**2.1227**	**0.0000**	**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0207	0.0129	0.1349	3.8000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		37.7688	37.7688	1.0200e-003		37.7944
Total	**0.0207**	**0.0129**	**0.1349**	**3.8000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**37.7688**	**37.7688**	**1.0200e-003**		**37.7944**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5689	0.0000	6.5689	3.3700	0.0000	3.3700			0.0000			0.0000
Off-Road	2.0098	22.1756	11.4936	0.0234		1.0072	1.0072		0.9266	0.9266		2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**2.0098**	**22.1756**	**11.4936**	**0.0234**	**6.5689**	**1.0072**	**7.5761**	**3.3700**	**0.9266**	**4.2966**		**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1095	4.0242	0.9210	0.0110	0.2573	0.0170	0.2742	0.0704	0.0163	0.0867		1,201.6433	1,201.6433	0.1184		1,204.6027
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0257	0.2698	7.6000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		75.5376	75.5376	2.0500e-003		75.5888
Total	**0.1509**	**4.0499**	**1.1909**	**0.0118**	**0.3394**	**0.0176**	**0.3570**	**0.0922**	**0.0168**	**0.1090**		**1,277.1809**	**1,277.1809**	**0.1204**		**1,280.1915**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9560	0.0000	2.9560	1.5165	0.0000	1.5165			0.0000			0.0000
Off-Road	2.0098	22.1756	11.4936	0.0234		1.0072	1.0072		0.9266	0.9266	0.0000	2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**2.0098**	**22.1756**	**11.4936**	**0.0234**	**2.9560**	**1.0072**	**3.9632**	**1.5165**	**0.9266**	**2.4431**	**0.0000**	**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1095	4.0242	0.9210	0.0110	0.2573	0.0170	0.2742	0.0704	0.0163	0.0867		1,201.6433	1,201.6433	0.1184		1,204.6027
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0257	0.2698	7.6000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		75.5376	75.5376	2.0500e-003		75.5888
Total	**0.1509**	**4.0499**	**1.1909**	**0.0118**	**0.3394**	**0.0176**	**0.3570**	**0.0922**	**0.0168**	**0.1090**		**1,277.1809**	**1,277.1809**	**0.1204**		**1,280.1915**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1314	4.2377	1.2302	0.0110	0.2974	0.0125	0.3099	0.0856	0.0119	0.0975		1,182.8234	1,182.8234	0.0988		1,185.2920
Worker	0.4352	0.2596	2.7860	8.2400e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		820.6033	820.6033	0.0209		821.1248
Total	**0.5666**	**4.4973**	**4.0162**	**0.0192**	**1.2175**	**0.0189**	**1.2364**	**0.3296**	**0.0178**	**0.3474**		**2,003.4266**	**2,003.4266**	**0.1196**		**2,006.4168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1314	4.2377	1.2302	0.0110	0.2974	0.0125	0.3099	0.0856	0.0119	0.0975		1,182.8234	1,182.8234	0.0988		1,185.2920
Worker	0.4352	0.2596	2.7860	8.2400e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		820.6033	820.6033	0.0209		821.1248
Total	**0.5666**	**4.4973**	**4.0162**	**0.0192**	**1.2175**	**0.0189**	**1.2364**	**0.3296**	**0.0178**	**0.3474**		**2,003.4266**	**2,003.4266**	**0.1196**		**2,006.4168**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0510	0.5473	1.6200e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		161.1899	161.1899	4.1000e-003		161.2924
Total	**0.0855**	**0.0510**	**0.5473**	**1.6200e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**161.1899**	**161.1899**	**4.1000e-003**		**161.2924**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0510	0.5473	1.6200e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		161.1899	161.1899	4.1000e-003		161.2924
Total	**0.0855**	**0.0510**	**0.5473**	**1.6200e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**161.1899**	**161.1899**	**4.1000e-003**		**161.2924**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4571**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4571**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218
Unmitigated	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	874.50	874.50	874.50	2,553,105	2,553,105
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	874.50	874.50	874.50	2,553,105	2,553,105

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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 Light Industry	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490
Parking Lot	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
NaturalGas Unmitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10095.6	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10.0956	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Unmitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3233 Mission Oaks Boulevard Industrial Project - 2022

Ventura County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	176.31	1000sqft	4.05	176,310.00	0
Parking Lot	207.00	Space	1.86	82,800.00	0
Parking Lot	16.00	Space	0.14	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 intensity factors

Land Use - combined Building A and Building B

Construction Phase - Construction phases based on PD. Arch coating phase extended to half of building construction to reflect realistic conditions.

Off-road Equipment - Revised to reflect size of building to be demolished

Off-road Equipment - Revised to reflect realistic conditions

Off-road Equipment - Site prep limited to on-site landscaping, revised to reflect

Trips and VMT -

Demolition -

Grading - Based on PD.

Architectural Coating - VCAPCD Rule 74.2

Vehicle Trips - Total proposed trip gen = 811 ADT. 811/163.556 sf = 4.959 per 1,000 sf per day

Area Coating - VCAPCD Rule 74.2

Energy Use - Title 24 electricity intensity reduced by 30% to account for 2019 Title 22 non-residential energy standards.

Water And Wastewater - Indoor water use reduced by 20% to account for 2016 CALGreen standards

Solid Waste -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55.

Area Mitigation - VCAPCD Rule 74.2

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True

tblAreaMitigation	UseLowVOCPaintParkingValue	250	150
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	10.00	26.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	230.00	286.00
tblConstructionPhase	NumDays	20.00	158.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	T24E	1.63	1.14
tblGrading	MaterialExported	0.00	6,145.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	1.32	4.96
tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	6.97	4.96
tblWater	IndoorWaterUseRate	40,771,687.50	32,617,350.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1807	33.2923	19.3789	0.0416	6.9084	1.5529	7.9327	3.4622	1.4449	4.4052	0.0000	4,110.7184	4,110.7184	0.9702	0.0000	4,134.9723
2021	19.9627	36.4168	37.9389	0.0755	1.5214	1.7507	3.2722	0.4103	1.6380	2.0483	0.0000	7,401.8835	7,401.8835	1.4708	0.0000	7,438.6534
Maximum	**19.9627**	**36.4168**	**37.9389**	**0.0755**	**6.9084**	**1.7507**	**7.9327**	**3.4622**	**1.6380**	**4.4052**	**0.0000**	**7,401.8835**	**7,401.8835**	**1.4708**	**0.0000**	**7,438.6534**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1807	33.2923	19.3789	0.0416	3.2954	1.5529	4.3197	1.6087	1.4449	2.5517	0.0000	4,110.7184	4,110.7184	0.9702	0.0000	4,134.9723
2021	19.9627	36.4168	37.9389	0.0755	1.5214	1.7507	3.2722	0.4103	1.6380	2.0483	0.0000	7,401.8835	7,401.8835	1.4708	0.0000	7,438.6534
Maximum	**19.9627**	**36.4168**	**37.9389**	**0.0755**	**3.2954**	**1.7507**	**4.3197**	**1.6087**	**1.6380**	**2.5517**	**0.0000**	**7,401.8835**	**7,401.8835**	**1.4708**	**0.0000**	**7,438.6534**

3233 Mission Oaks Boulevard Industrial Project - 2022 - Ventura County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**42.86**	**0.00**	**32.24**	**47.86**	**0.00**	**28.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992
Total	**5.8813**	**5.9554**	**16.8077**	**0.0641**	**5.4044**	**0.1220**	**5.5265**	**1.4433**	**0.1189**	**1.5622**		**7,079.1804**	**7,079.1804**	**0.2518**	**0.0218**	**7,091.9632**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992
Total	**5.8813**	**5.9554**	**16.8077**	**0.0641**	**5.4044**	**0.1220**	**5.5265**	**1.4433**	**0.1189**	**1.5622**		**7,079.1804**	**7,079.1804**	**0.2518**	**0.0218**	**7,091.9632**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/30/2020	6	26	
2	Site Preparation	Site Preparation	10/1/2020	10/30/2020	6	26	
3	Grading	Grading	11/2/2020	12/31/2020	6	52	
4	Building Construction	Building Construction	1/1/2021	11/30/2021	6	286	
5	Architectural Coating	Architectural Coating	7/1/2021	12/31/2021	6	158	
6	Paving	Paving	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 26

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 264,465; Non-Residential Outdoor: 88,155; Striped Parking Area: 5,352 (Architectural Coating – sqft)

OffRoad Equipment

3233 Mission Oaks Boulevard Industrial Project - 2022 - Ventura County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	5	13.00	0.00	239.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	768.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0124	0.0000	2.0124	0.3048	0.0000	0.3048			0.0000			0.0000
Off-Road	3.0671	30.7884	18.4854	0.0337		1.5418	1.5418		1.4343	1.4343		3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**3.0671**	**30.7884**	**18.4854**	**0.0337**	**2.0124**	**1.5418**	**3.5543**	**0.3048**	**1.4343**	**1.7391**		**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0661	2.4754	0.5342	6.9500e-003	0.1601	0.0103	0.1704	0.0438	9.8400e-003	0.0537		759.9359	759.9359	0.0712		761.7159
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.1136**	**2.5039**	**0.8935**	**7.9900e-003**	**0.2669**	**0.0110**	**0.2780**	**0.0722**	**0.0105**	**0.0827**		**863.1319**	**863.1319**	**0.0740**		**864.9808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9056	0.0000	0.9056	0.1371	0.0000	0.1371			0.0000			0.0000
Off-Road	3.0671	30.7884	18.4854	0.0337		1.5418	1.5418		1.4343	1.4343	0.0000	3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**3.0671**	**30.7884**	**18.4854**	**0.0337**	**0.9056**	**1.5418**	**2.4474**	**0.1371**	**1.4343**	**1.5715**	**0.0000**	**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0661	2.4754	0.5342	6.9500e-003	0.1601	0.0103	0.1704	0.0438	9.8400e-003	0.0537		759.9359	759.9359	0.0712		761.7159
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.1136**	**2.5039**	**0.8935**	**7.9900e-003**	**0.2669**	**0.0110**	**0.2780**	**0.0722**	**0.0105**	**0.0827**		**863.1319**	**863.1319**	**0.0740**		**864.9808**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.2890	13.4374	6.4113	0.0116		0.6881	0.6881		0.6331	0.6331		1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**1.2890**	**13.4374**	**6.4113**	**0.0116**	**6.0221**	**0.6881**	**6.7102**	**3.3102**	**0.6331**	**3.9433**		**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0183	0.0110	0.1382	4.0000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.6908	39.6908	1.0600e-003		39.7173
Total	**0.0183**	**0.0110**	**0.1382**	**4.0000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**39.6908**	**39.6908**	**1.0600e-003**		**39.7173**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.2890	13.4374	6.4113	0.0116		0.6881	0.6881		0.6331	0.6331	0.0000	1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**1.2890**	**13.4374**	**6.4113**	**0.0116**	**2.7099**	**0.6881**	**3.3980**	**1.4896**	**0.6331**	**2.1227**	**0.0000**	**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0183	0.0110	0.1382	4.0000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.6908	39.6908	1.0600e-003		39.7173
Total	**0.0183**	**0.0110**	**0.1382**	**4.0000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**39.6908**	**39.6908**	**1.0600e-003**		**39.7173**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5689	0.0000	6.5689	3.3700	0.0000	3.3700			0.0000			0.0000
Off-Road	2.0098	22.1756	11.4936	0.0234		1.0072	1.0072		0.9266	0.9266		2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**2.0098**	**22.1756**	**11.4936**	**0.0234**	**6.5689**	**1.0072**	**7.5761**	**3.3700**	**0.9266**	**4.2966**		**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1062	3.9772	0.8583	0.0112	0.2573	0.0165	0.2738	0.0704	0.0158	0.0862		1,220.9848	1,220.9848	0.1144		1,223.8448
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0365	0.0220	0.2764	8.0000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.3816	79.3816	2.1200e-003		79.4346
Total	**0.1427**	**3.9992**	**1.1347**	**0.0120**	**0.3394**	**0.0171**	**0.3565**	**0.0922**	**0.0163**	**0.1086**		**1,300.3664**	**1,300.3664**	**0.1165**		**1,303.2793**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9560	0.0000	2.9560	1.5165	0.0000	1.5165			0.0000			0.0000
Off-Road	2.0098	22.1756	11.4936	0.0234		1.0072	1.0072		0.9266	0.9266	0.0000	2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**2.0098**	**22.1756**	**11.4936**	**0.0234**	**2.9560**	**1.0072**	**3.9632**	**1.5165**	**0.9266**	**2.4431**	**0.0000**	**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1062	3.9772	0.8583	0.0112	0.2573	0.0165	0.2738	0.0704	0.0158	0.0862		1,220.9848	1,220.9848	0.1144		1,223.8448
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0365	0.0220	0.2764	8.0000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.3816	79.3816	2.1200e-003		79.4346
Total	**0.1427**	**3.9992**	**1.1347**	**0.0120**	**0.3394**	**0.0171**	**0.3565**	**0.0922**	**0.0163**	**0.1086**		**1,300.3664**	**1,300.3664**	**0.1165**		**1,303.2793**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1236	4.2442	1.0877	0.0113	0.2974	0.0118	0.3093	0.0856	0.0113	0.0969		1,212.5771	1,212.5771	0.0928		1,214.8976
Worker	0.3836	0.2215	2.8603	8.6500e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		862.3877	862.3877	0.0216		862.9287
Total	**0.5072**	**4.4656**	**3.9480**	**0.0199**	**1.2175**	**0.0182**	**1.2357**	**0.3296**	**0.0172**	**0.3468**		**2,074.9648**	**2,074.9648**	**0.1145**		**2,077.8263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1236	4.2442	1.0877	0.0113	0.2974	0.0118	0.3093	0.0856	0.0113	0.0969		1,212.5771	1,212.5771	0.0928		1,214.8976
Worker	0.3836	0.2215	2.8603	8.6500e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		862.3877	862.3877	0.0216		862.9287
Total	**0.5072**	**4.4656**	**3.9480**	**0.0199**	**1.2175**	**0.0182**	**1.2357**	**0.3296**	**0.0172**	**0.3468**		**2,074.9648**	**2,074.9648**	**0.1145**		**2,077.8263**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0435	0.5619	1.7000e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		169.3976	169.3976	4.2500e-003		169.5038
Total	**0.0754**	**0.0435**	**0.5619**	**1.7000e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**169.3976**	**169.3976**	**4.2500e-003**		**169.5038**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0435	0.5619	1.7000e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		169.3976	169.3976	4.2500e-003		169.5038
Total	**0.0754**	**0.0435**	**0.5619**	**1.7000e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**169.3976**	**169.3976**	**4.2500e-003**		**169.5038**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4571**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4571**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992
Unmitigated	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	874.50	874.50	874.50	2,553,105	2,553,105
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	874.50	874.50	874.50	2,553,105	2,553,105

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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 Light Industry	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490
Parking Lot	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
NaturalGas Unmitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10095.6	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10.0956	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Unmitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3233 Mission Oaks Boulevard Industrial Project - 2022

Ventura County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	176.31	1000sqft	4.05	176,310.00	0
Parking Lot	207.00	Space	1.86	82,800.00	0
Parking Lot	16.00	Space	0.14	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 intensity factors

Land Use - combined Building A and Building B

Construction Phase - Construction phases based on PD. Arch coating phase extended to half of building construction to reflect realistic conditions.

Off-road Equipment - Revised to reflect size of building to be demolished

Off-road Equipment - Revised to reflect realistic conditions

Off-road Equipment - Site prep limited to on-site landscaping, revised to reflect

Trips and VMT -

Demolition -

Grading - Based on PD.

Architectural Coating - VCAPCD Rule 74.2

Vehicle Trips - Total proposed trip gen = 811 ADT. 811/163.556 sf = 4.959 per 1,000 sf per day

Area Coating - VCAPCD Rule 74.2

Energy Use - Title 24 electricity intensity reduced by 30% to account for 2019 Title 22 non-residential energy standards.

Water And Wastewater - Indoor water use reduced by 20% to account for 2016 CALGreen standards

Solid Waste -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55. Tier 4 Final mitigation.

Area Mitigation - VCAPCD Rule 74.2

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	150

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	10.00	26.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	230.00	286.00
tblConstructionPhase	NumDays	20.00	158.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	T24E	1.63	1.14
tblGrading	MaterialExported	0.00	6,145.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	1.32	4.96
tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	6.97	4.96
tblWater	IndoorWaterUseRate	40,771,687.50	32,617,350.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1891	33.3265	19.4094	0.0415	6.9084	1.5532	7.9331	3.4622	1.4452	4.4056	0.0000	4,093.6832	4,093.6832	0.9725	0.0000	4,117.9966
2021	20.0391	36.4611	37.9825	0.0747	1.5214	1.7514	3.2729	0.4103	1.6386	2.0489	0.0000	7,316.5416	7,316.5416	1.4757	0.0000	7,353.4337
Maximum	**20.0391**	**36.4611**	**37.9825**	**0.0747**	**6.9084**	**1.7514**	**7.9331**	**3.4622**	**1.6386**	**4.4056**	**0.0000**	**7,316.5416**	**7,316.5416**	**1.4757**	**0.0000**	**7,353.4337**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8763	7.2935	20.1138	0.0415	3.2954	0.2543	3.3513	1.6087	0.2538	1.6638	0.0000	4,093.6832	4,093.6832	0.9725	0.0000	4,117.9966
2021	18.0333	13.5096	40.6128	0.0747	1.5214	0.4427	1.9641	0.4103	0.4261	0.8364	0.0000	7,316.5416	7,316.5416	1.4757	0.0000	7,353.4337
Maximum	**18.0333**	**13.5096**	**40.6128**	**0.0747**	**3.2954**	**0.4427**	**3.3513**	**1.6087**	**0.4261**	**1.6638**	**0.0000**	**7,316.5416**	**7,316.5416**	**1.4757**	**0.0000**	**7,353.4337**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**18.59**	**70.19**	**-5.81**	**0.00**	**42.86**	**78.91**	**52.57**	**47.86**	**77.95**	**61.26**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218
Total	**5.8144**	**6.1775**	**16.8615**	**0.0617**	**5.4044**	**0.1225**	**5.5269**	**1.4433**	**0.1193**	**1.5626**		**6,835.6354**	**6,835.6354**	**0.2545**	**0.0218**	**6,848.4858**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218
Total	**5.8144**	**6.1775**	**16.8615**	**0.0617**	**5.4044**	**0.1225**	**5.5269**	**1.4433**	**0.1193**	**1.5626**		**6,835.6354**	**6,835.6354**	**0.2545**	**0.0218**	**6,848.4858**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/30/2020	6	26	
2	Site Preparation	Site Preparation	10/1/2020	10/30/2020	6	26	
3	Grading	Grading	11/2/2020	12/31/2020	6	52	
4	Building Construction	Building Construction	1/1/2021	11/30/2021	6	286	
5	Architectural Coating	Architectural Coating	7/1/2021	12/31/2021	6	158	
6	Paving	Paving	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 26

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 264,465; Non-Residential Outdoor: 88,155; Striped Parking Area: 5,352 (Architectural Coating – sqft)

OffRoad Equipment

3233 Mission Oaks Boulevard Industrial Project - 2022 - Ventura County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	5	13.00	0.00	239.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	768.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0124	0.0000	2.0124	0.3048	0.0000	0.3048			0.0000			0.0000
Off-Road	3.0671	30.7884	18.4854	0.0337		1.5418	1.5418		1.4343	1.4343		3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**3.0671**	**30.7884**	**18.4854**	**0.0337**	**2.0124**	**1.5418**	**3.5543**	**0.3048**	**1.4343**	**1.7391**		**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0681	2.5047	0.5733	6.8400e-003	0.1601	0.0106	0.1707	0.0438	0.0101	0.0540		747.8978	747.8978	0.0737		749.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.1220**	**2.5381**	**0.9240**	**7.8300e-003**	**0.2669**	**0.0113**	**0.2782**	**0.0722**	**0.0108**	**0.0830**		**846.0967**	**846.0967**	**0.0763**		**848.0051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9056	0.0000	0.9056	0.1371	0.0000	0.1371			0.0000			0.0000
Off-Road	0.7544	4.7554	19.1898	0.0337		0.2430	0.2430		0.2430	0.2430	0.0000	3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**0.7544**	**4.7554**	**19.1898**	**0.0337**	**0.9056**	**0.2430**	**1.1486**	**0.1371**	**0.2430**	**0.3801**	**0.0000**	**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0681	2.5047	0.5733	6.8400e-003	0.1601	0.0106	0.1707	0.0438	0.0101	0.0540		747.8978	747.8978	0.0737		749.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.1220**	**2.5381**	**0.9240**	**7.8300e-003**	**0.2669**	**0.0113**	**0.2782**	**0.0722**	**0.0108**	**0.0830**		**846.0967**	**846.0967**	**0.0763**		**848.0051**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.2890	13.4374	6.4113	0.0116		0.6881	0.6881		0.6331	0.6331		1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**1.2890**	**13.4374**	**6.4113**	**0.0116**	**6.0221**	**0.6881**	**6.7102**	**3.3102**	**0.6331**	**3.9433**		**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0207	0.0129	0.1349	3.8000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		37.7688	37.7688	1.0200e-003		37.7944
Total	**0.0207**	**0.0129**	**0.1349**	**3.8000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**37.7688**	**37.7688**	**1.0200e-003**		**37.7944**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1425	0.6176	6.1756	0.0116		0.0190	0.0190		0.0190	0.0190	0.0000	1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**0.1425**	**0.6176**	**6.1756**	**0.0116**	**2.7099**	**0.0190**	**2.7289**	**1.4896**	**0.0190**	**1.5086**	**0.0000**	**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0207	0.0129	0.1349	3.8000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		37.7688	37.7688	1.0200e-003		37.7944
Total	**0.0207**	**0.0129**	**0.1349**	**3.8000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**37.7688**	**37.7688**	**1.0200e-003**		**37.7944**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5689	0.0000	6.5689	3.3700	0.0000	3.3700			0.0000			0.0000
Off-Road	2.0098	22.1756	11.4936	0.0234		1.0072	1.0072		0.9266	0.9266		2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**2.0098**	**22.1756**	**11.4936**	**0.0234**	**6.5689**	**1.0072**	**7.5761**	**3.3700**	**0.9266**	**4.2966**		**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1095	4.0242	0.9210	0.0110	0.2573	0.0170	0.2742	0.0704	0.0163	0.0867		1,201.6433	1,201.6433	0.1184		1,204.6027
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0257	0.2698	7.6000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		75.5376	75.5376	2.0500e-003		75.5888
Total	**0.1509**	**4.0499**	**1.1909**	**0.0118**	**0.3394**	**0.0176**	**0.3570**	**0.0922**	**0.0168**	**0.1090**		**1,277.1809**	**1,277.1809**	**0.1204**		**1,280.1915**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9560	0.0000	2.9560	1.5165	0.0000	1.5165			0.0000			0.0000
Off-Road	0.2872	1.2445	13.0686	0.0234		0.0383	0.0383		0.0383	0.0383	0.0000	2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**0.2872**	**1.2445**	**13.0686**	**0.0234**	**2.9560**	**0.0383**	**2.9943**	**1.5165**	**0.0383**	**1.5548**	**0.0000**	**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1095	4.0242	0.9210	0.0110	0.2573	0.0170	0.2742	0.0704	0.0163	0.0867		1,201.6433	1,201.6433	0.1184		1,204.6027
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0257	0.2698	7.6000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		75.5376	75.5376	2.0500e-003		75.5888
Total	**0.1509**	**4.0499**	**1.1909**	**0.0118**	**0.3394**	**0.0176**	**0.3570**	**0.0922**	**0.0168**	**0.1090**		**1,277.1809**	**1,277.1809**	**0.1204**		**1,280.1915**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1314	4.2377	1.2302	0.0110	0.2974	0.0125	0.3099	0.0856	0.0119	0.0975		1,182.8234	1,182.8234	0.0988		1,185.2920
Worker	0.4352	0.2596	2.7860	8.2400e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		820.6033	820.6033	0.0209		821.1248
Total	**0.5666**	**4.4973**	**4.0162**	**0.0192**	**1.2175**	**0.0189**	**1.2364**	**0.3296**	**0.0178**	**0.3474**		**2,003.4266**	**2,003.4266**	**0.1196**		**2,006.4168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.5867**	**2.7396**	**17.6822**	**0.0269**		**0.1120**	**0.1120**		**0.1120**	**0.1120**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1314	4.2377	1.2302	0.0110	0.2974	0.0125	0.3099	0.0856	0.0119	0.0975		1,182.8234	1,182.8234	0.0988		1,185.2920
Worker	0.4352	0.2596	2.7860	8.2400e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		820.6033	820.6033	0.0209		821.1248
Total	**0.5666**	**4.4973**	**4.0162**	**0.0192**	**1.2175**	**0.0189**	**1.2364**	**0.3296**	**0.0178**	**0.3474**		**2,003.4266**	**2,003.4266**	**0.1196**		**2,006.4168**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0510	0.5473	1.6200e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		161.1899	161.1899	4.1000e-003		161.2924
Total	**0.0855**	**0.0510**	**0.5473**	**1.6200e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**161.1899**	**161.1899**	**4.1000e-003**		**161.2924**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0510	0.5473	1.6200e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		161.1899	161.1899	4.1000e-003		161.2924
Total	**0.0855**	**0.0510**	**0.5473**	**1.6200e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**161.1899**	**161.1899**	**4.1000e-003**		**161.2924**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4571**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5640	4.6601	16.1764	0.0228		0.2156	0.2156		0.2003	0.2003	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7655**	**4.6601**	**16.1764**	**0.0228**		**0.2156**	**0.2156**		**0.2003**	**0.2003**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218
Unmitigated	1.2152	5.1874	15.9893	0.0558	5.4044	0.0471	5.4515	1.4433	0.0439	1.4873		5,647.8352	5,647.8352	0.2315		5,653.6218

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	874.50	874.50	874.50	2,553,105	2,553,105
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	874.50	874.50	874.50	2,553,105	2,553,105

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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 Light Industry	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490
Parking Lot	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
NaturalGas Unmitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10095.6	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10.0956	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Unmitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3233 Mission Oaks Boulevard Industrial Project - 2022

Ventura County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	176.31	1000sqft	4.05	176,310.00	0
Parking Lot	207.00	Space	1.86	82,800.00	0
Parking Lot	16.00	Space	0.14	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 intensity factors

Land Use - combined Building A and Building B

Construction Phase - Construction phases based on PD. Arch coating phase extended to half of building construction to reflect realistic conditions.

Off-road Equipment - Revised to reflect size of building to be demolished

Off-road Equipment - Revised to reflect realistic conditions

Off-road Equipment - Site prep limited to on-site landscaping, revised to reflect

Trips and VMT -

Demolition -

Grading - Based on PD.

Architectural Coating - VCAPCD Rule 74.2

Vehicle Trips - Total proposed trip gen = 811 ADT. 811/163.556 sf = 4.959 per 1,000 sf per day

Area Coating - VCAPCD Rule 74.2

Energy Use - Title 24 electricity intensity reduced by 30% to account for 2019 Title 22 non-residential energy standards.

Water And Wastewater - Indoor water use reduced by 20% to account for 2016 CALGreen standards

Solid Waste -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55. Tier 4 Final mitigation.

Area Mitigation - VCAPCD Rule 74.2

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	150

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	10.00	26.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	230.00	286.00
tblConstructionPhase	NumDays	20.00	158.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	T24E	1.63	1.14
tblGrading	MaterialExported	0.00	6,145.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	1.32	4.96
tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	6.97	4.96
tblWater	IndoorWaterUseRate	40,771,687.50	32,617,350.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1807	33.2923	19.3789	0.0416	6.9084	1.5529	7.9327	3.4622	1.4449	4.4052	0.0000	4,110.7184	4,110.7184	0.9702	0.0000	4,134.9723
2021	19.9627	36.4168	37.9389	0.0755	1.5214	1.7507	3.2722	0.4103	1.6380	2.0483	0.0000	7,401.8835	7,401.8835	1.4708	0.0000	7,438.6534
Maximum	**19.9627**	**36.4168**	**37.9389**	**0.0755**	**6.9084**	**1.7507**	**7.9327**	**3.4622**	**1.6380**	**4.4052**	**0.0000**	**7,401.8835**	**7,401.8835**	**1.4708**	**0.0000**	**7,438.6534**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8679	7.2593	20.0832	0.0416	3.2954	0.2540	3.3508	1.6087	0.2535	1.6634	0.0000	4,110.7184	4,110.7184	0.9702	0.0000	4,134.9723
2021	17.9569	13.4653	40.5691	0.0755	1.5214	0.4420	1.9635	0.4103	0.4255	0.8357	0.0000	7,401.8835	7,401.8835	1.4708	0.0000	7,438.6534
Maximum	**17.9569**	**13.4653**	**40.5691**	**0.0755**	**3.2954**	**0.4420**	**3.3508**	**1.6087**	**0.4255**	**1.6634**	**0.0000**	**7,401.8835**	**7,401.8835**	**1.4708**	**0.0000**	**7,438.6534**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**18.66**	**70.27**	**-5.82**	**0.00**	**42.86**	**78.93**	**52.57**	**47.86**	**77.98**	**61.28**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992
Total	**5.8813**	**5.9554**	**16.8077**	**0.0641**	**5.4044**	**0.1220**	**5.5265**	**1.4433**	**0.1189**	**1.5622**		**7,079.1804**	**7,079.1804**	**0.2518**	**0.0218**	**7,091.9632**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Energy	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Mobile	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992
Total	**5.8813**	**5.9554**	**16.8077**	**0.0641**	**5.4044**	**0.1220**	**5.5265**	**1.4433**	**0.1189**	**1.5622**		**7,079.1804**	**7,079.1804**	**0.2518**	**0.0218**	**7,091.9632**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/30/2020	6	26	
2	Site Preparation	Site Preparation	10/1/2020	10/30/2020	6	26	
3	Grading	Grading	11/2/2020	12/31/2020	6	52	
4	Building Construction	Building Construction	1/1/2021	11/30/2021	6	286	
5	Architectural Coating	Architectural Coating	7/1/2021	12/31/2021	6	158	
6	Paving	Paving	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 26

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 264,465; Non-Residential Outdoor: 88,155; Striped Parking Area: 5,352 (Architectural Coating – sqft)

OffRoad Equipment

3233 Mission Oaks Boulevard Industrial Project - 2022 - Ventura County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	5	13.00	0.00	239.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	768.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0124	0.0000	2.0124	0.3048	0.0000	0.3048			0.0000			0.0000
Off-Road	3.0671	30.7884	18.4854	0.0337		1.5418	1.5418		1.4343	1.4343		3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**3.0671**	**30.7884**	**18.4854**	**0.0337**	**2.0124**	**1.5418**	**3.5543**	**0.3048**	**1.4343**	**1.7391**		**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0661	2.4754	0.5342	6.9500e-003	0.1601	0.0103	0.1704	0.0438	9.8400e-003	0.0537		759.9359	759.9359	0.0712		761.7159
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.1136**	**2.5039**	**0.8935**	**7.9900e-003**	**0.2669**	**0.0110**	**0.2780**	**0.0722**	**0.0105**	**0.0827**		**863.1319**	**863.1319**	**0.0740**		**864.9808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9056	0.0000	0.9056	0.1371	0.0000	0.1371			0.0000			0.0000
Off-Road	0.7544	4.7554	19.1898	0.0337		0.2430	0.2430		0.2430	0.2430	0.0000	3,247.5865	3,247.5865	0.8962		3,269.9915
Total	**0.7544**	**4.7554**	**19.1898**	**0.0337**	**0.9056**	**0.2430**	**1.1486**	**0.1371**	**0.2430**	**0.3801**	**0.0000**	**3,247.5865**	**3,247.5865**	**0.8962**		**3,269.9915**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0661	2.4754	0.5342	6.9500e-003	0.1601	0.0103	0.1704	0.0438	9.8400e-003	0.0537		759.9359	759.9359	0.0712		761.7159
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.1136**	**2.5039**	**0.8935**	**7.9900e-003**	**0.2669**	**0.0110**	**0.2780**	**0.0722**	**0.0105**	**0.0827**		**863.1319**	**863.1319**	**0.0740**		**864.9808**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.2890	13.4374	6.4113	0.0116		0.6881	0.6881		0.6331	0.6331		1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**1.2890**	**13.4374**	**6.4113**	**0.0116**	**6.0221**	**0.6881**	**6.7102**	**3.3102**	**0.6331**	**3.9433**		**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0183	0.0110	0.1382	4.0000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.6908	39.6908	1.0600e-003		39.7173
Total	**0.0183**	**0.0110**	**0.1382**	**4.0000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**39.6908**	**39.6908**	**1.0600e-003**		**39.7173**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1425	0.6176	6.1756	0.0116		0.0190	0.0190		0.0190	0.0190	0.0000	1,128.1110	1,128.1110	0.3649		1,137.2324
Total	**0.1425**	**0.6176**	**6.1756**	**0.0116**	**2.7099**	**0.0190**	**2.7289**	**1.4896**	**0.0190**	**1.5086**	**0.0000**	**1,128.1110**	**1,128.1110**	**0.3649**		**1,137.2324**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0183	0.0110	0.1382	4.0000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.6908	39.6908	1.0600e-003		39.7173
Total	**0.0183**	**0.0110**	**0.1382**	**4.0000e-004**	**0.0411**	**2.9000e-004**	**0.0414**	**0.0109**	**2.7000e-004**	**0.0112**		**39.6908**	**39.6908**	**1.0600e-003**		**39.7173**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5689	0.0000	6.5689	3.3700	0.0000	3.3700			0.0000			0.0000
Off-Road	2.0098	22.1756	11.4936	0.0234		1.0072	1.0072		0.9266	0.9266		2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**2.0098**	**22.1756**	**11.4936**	**0.0234**	**6.5689**	**1.0072**	**7.5761**	**3.3700**	**0.9266**	**4.2966**		**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1062	3.9772	0.8583	0.0112	0.2573	0.0165	0.2738	0.0704	0.0158	0.0862		1,220.9848	1,220.9848	0.1144		1,223.8448
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0365	0.0220	0.2764	8.0000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.3816	79.3816	2.1200e-003		79.4346
Total	**0.1427**	**3.9992**	**1.1347**	**0.0120**	**0.3394**	**0.0171**	**0.3565**	**0.0922**	**0.0163**	**0.1086**		**1,300.3664**	**1,300.3664**	**0.1165**		**1,303.2793**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9560	0.0000	2.9560	1.5165	0.0000	1.5165			0.0000			0.0000
Off-Road	0.2872	1.2445	13.0686	0.0234		0.0383	0.0383		0.0383	0.0383	0.0000	2,270.9481	2,270.9481	0.7345		2,289.3099
Total	**0.2872**	**1.2445**	**13.0686**	**0.0234**	**2.9560**	**0.0383**	**2.9943**	**1.5165**	**0.0383**	**1.5548**	**0.0000**	**2,270.9481**	**2,270.9481**	**0.7345**		**2,289.3099**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1062	3.9772	0.8583	0.0112	0.2573	0.0165	0.2738	0.0704	0.0158	0.0862		1,220.9848	1,220.9848	0.1144		1,223.8448
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0365	0.0220	0.2764	8.0000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.3816	79.3816	2.1200e-003		79.4346
Total	**0.1427**	**3.9992**	**1.1347**	**0.0120**	**0.3394**	**0.0171**	**0.3565**	**0.0922**	**0.0163**	**0.1086**		**1,300.3664**	**1,300.3664**	**0.1165**		**1,303.2793**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1236	4.2442	1.0877	0.0113	0.2974	0.0118	0.3093	0.0856	0.0113	0.0969		1,212.5771	1,212.5771	0.0928		1,214.8976
Worker	0.3836	0.2215	2.8603	8.6500e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		862.3877	862.3877	0.0216		862.9287
Total	**0.5072**	**4.4656**	**3.9480**	**0.0199**	**1.2175**	**0.0182**	**1.2357**	**0.3296**	**0.0172**	**0.3468**		**2,074.9648**	**2,074.9648**	**0.1145**		**2,077.8263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.5867**	**2.7396**	**17.6822**	**0.0269**		**0.1120**	**0.1120**		**0.1120**	**0.1120**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1236	4.2442	1.0877	0.0113	0.2974	0.0118	0.3093	0.0856	0.0113	0.0969		1,212.5771	1,212.5771	0.0928		1,214.8976
Worker	0.3836	0.2215	2.8603	8.6500e-003	0.9201	6.3800e-003	0.9264	0.2440	5.8700e-003	0.2499		862.3877	862.3877	0.0216		862.9287
Total	**0.5072**	**4.4656**	**3.9480**	**0.0199**	**1.2175**	**0.0182**	**1.2357**	**0.3296**	**0.0172**	**0.3468**		**2,074.9648**	**2,074.9648**	**0.1145**		**2,077.8263**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0435	0.5619	1.7000e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		169.3976	169.3976	4.2500e-003		169.5038
Total	**0.0754**	**0.0435**	**0.5619**	**1.7000e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**169.3976**	**169.3976**	**4.2500e-003**		**169.5038**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.7519					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**15.9708**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0435	0.5619	1.7000e-003	0.1807	1.2500e-003	0.1820	0.0479	1.1500e-003	0.0491		169.3976	169.3976	4.2500e-003		169.5038
Total	**0.0754**	**0.0435**	**0.5619**	**1.7000e-003**	**0.1807**	**1.2500e-003**	**0.1820**	**0.0479**	**1.1500e-003**	**0.0491**		**169.3976**	**169.3976**	**4.2500e-003**		**169.5038**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4571**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5640	4.6601	16.1764	0.0228		0.2156	0.2156		0.2003	0.2003	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7655**	**4.6601**	**16.1764**	**0.0228**		**0.2156**	**0.2156**		**0.2003**	**0.2003**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992
Unmitigated	1.2822	4.9653	15.9355	0.0582	5.4044	0.0467	5.4511	1.4433	0.0435	1.4868		5,891.3802	5,891.3802	0.2288		5,897.0992

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	874.50	874.50	874.50	2,553,105	2,553,105
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	874.50	874.50	874.50	2,553,105	2,553,105

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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 Light Industry	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490
Parking Lot	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
NaturalGas Unmitigated	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10095.6	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	10.0956	0.1089	0.9898	0.8314	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.7128	1,187.7128	0.0228	0.0218	1,194.7708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1089**	**0.9898**	**0.8314**	**5.9400e-003**		**0.0752**	**0.0752**		**0.0752**	**0.0752**		**1,187.7128**	**1,187.7128**	**0.0228**	**0.0218**	**1,194.7708**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Unmitigated	4.4903	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8046					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0408	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0874	0.0874	2.3000e-004		0.0932
Total	**4.4903**	**3.7000e-004**	**0.0408**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0874**	**0.0874**	**2.3000e-004**		**0.0932**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3233 Mission Oaks Boulevard Industrial Project - 2030

Ventura County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	176.31	1000sqft	4.05	176,310.00	0
Parking Lot	207.00	Space	1.86	82,800.00	0
Parking Lot	16.00	Space	0.14	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 intensity factors

Land Use - combined Building A and Building B

Construction Phase - Construction phases based on PD. Arch coating phase extended to half of building construction to reflect realistic conditions.

Off-road Equipment - Revised to reflect size of building to be demolished

Off-road Equipment - Revised to reflect realistic conditions

Off-road Equipment - Site prep limited to on-site landscaping, revised to reflect

Trips and VMT -

Demolition -

Grading - Based on PD.

Architectural Coating - VCAPCD Rule 74.2

Vehicle Trips - Total proposed trip gen = 811 ADT. 811/163.556 sf = 4.959 per 1,000 sf per day

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - VCAPCD Rule 74.2

Energy Use - Title 24 electricity intensity reduced by 30% to account for 2019 Title 22 non-residential energy standards.

Water And Wastewater - Indoor water use reduced by 20% to account for 2016 CALGreen standards

Solid Waste -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55.

Area Mitigation - VCAPCD Rule 74.2

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150

tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	150
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	158.00
tblConstructionPhase	NumDays	230.00	286.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	10.00	26.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	T24E	1.63	1.14
tblGrading	MaterialExported	0.00	6,145.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	1.32	4.96

tblVehicleTrips	SU_TR	0.68	4.96
tblVehicleTrips	WD_TR	6.97	4.96
tblWater	IndoorWaterUseRate	40,771,687.50	32,617,350.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1144	1.2915	0.6659	1.6100e-003	0.2879	0.0558	0.3436	0.1380	0.0515	0.1896	0.0000	146.0915	146.0915	0.0359	0.0000	146.9885
2021	1.6327	3.4352	3.3117	7.3100e-003	0.1866	0.1561	0.3427	0.0505	0.1470	0.1975	0.0000	653.3961	653.3961	0.1051	0.0000	656.0245
Maximum	**1.6327**	**3.4352**	**3.3117**	**7.3100e-003**	**0.2879**	**0.1561**	**0.3436**	**0.1380**	**0.1470**	**0.1975**	**0.0000**	**653.3961**	**653.3961**	**0.1051**	**0.0000**	**656.0245**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1144	1.2915	0.6659	1.6100e-003	0.1365	0.0558	0.1923	0.0640	0.0515	0.1155	0.0000	146.0914	146.0914	0.0359	0.0000	146.9884
2021	1.6327	3.4352	3.3117	7.3100e-003	0.1866	0.1561	0.3427	0.0505	0.1470	0.1975	0.0000	653.3957	653.3957	0.1051	0.0000	656.0241
Maximum	**1.6327**	**3.4352**	**3.3117**	**7.3100e-003**	**0.1866**	**0.1561**	**0.3427**	**0.0640**	**0.1470**	**0.1975**	**0.0000**	**653.3957**	**653.3957**	**0.1051**	**0.0000**	**656.0241**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**31.91**	**0.00**	**22.06**	**39.27**	**0.00**	**19.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-1-2020**	**11-30-2020**	1.0115	1.0115
2	**12-1-2020**	**2-28-2021**	0.9940	0.9940
3	**3-1-2021**	**5-31-2021**	0.9596	0.9596
4	**6-1-2021**	**8-31-2021**	1.4264	1.4264
5	**9-1-2021**	**9-30-2021**	0.5390	0.5390
		Highest	1.4264	1.4264

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8191	3.0000e-005	3.6500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1400e-003	7.1400e-003	2.0000e-005	0.0000	7.6000e-003
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	426.9184	426.9184	0.0135	5.5600e-003	428.9127
Mobile	0.1353	0.5707	1.7656	8.0300e-003	0.9652	5.2200e-003	0.9705	0.2581	4.8400e-003	0.2629	0.0000	742.5315	742.5315	0.0256	0.0000	743.1711
Waste						0.0000	0.0000		0.0000	0.0000	44.3779	0.0000	44.3779	2.6227	0.0000	109.9443
Water						0.0000	0.0000		0.0000	0.0000	10.3480	68.1714	78.5194	1.0657	0.0257	112.8134
Total	**0.9743**	**0.7513**	**1.9210**	**9.1100e-003**	**0.9652**	**0.0190**	**0.9842**	**0.2581**	**0.0186**	**0.2767**	**54.7259**	**1,237.6285**	**1,292.3544**	**3.7275**	**0.0312**	**1,394.8491**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8191	3.0000e-005	3.6500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1400e-003	7.1400e-003	2.0000e-005	0.0000	7.6000e-003
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	426.9184	426.9184	0.0135	5.5600e-003	428.9127
Mobile	0.1353	0.5707	1.7656	8.0300e-003	0.9652	5.2200e-003	0.9705	0.2581	4.8400e-003	0.2629	0.0000	742.5315	742.5315	0.0256	0.0000	743.1711
Waste						0.0000	0.0000		0.0000	0.0000	44.3779	0.0000	44.3779	2.6227	0.0000	109.9443
Water						0.0000	0.0000		0.0000	0.0000	10.3480	68.1714	78.5194	1.0657	0.0257	112.8134
Total	**0.9743**	**0.7513**	**1.9210**	**9.1100e-003**	**0.9652**	**0.0190**	**0.9842**	**0.2581**	**0.0186**	**0.2767**	**54.7259**	**1,237.6285**	**1,292.3544**	**3.7275**	**0.0312**	**1,394.8491**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/30/2020	6	26	
2	Site Preparation	Site Preparation	10/1/2020	10/30/2020	6	26	
3	Grading	Grading	11/2/2020	12/31/2020	6	52	
4	Building Construction	Building Construction	1/1/2021	11/30/2021	6	286	
5	Architectural Coating	Architectural Coating	7/1/2021	12/31/2021	6	158	
6	Paving	Paving	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 26

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 264,465; Non-Residential Outdoor: 88,155; Striped Parking Area: 5,352 (Architectural Coating – sqft)

<u>OffRoad Equipment</u>

3233 Mission Oaks Boulevard Industrial Project - 2030 - Ventura County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	5	13.00	0.00	239.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	768.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	44.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	3.9600e-003	0.0000	3.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4003	0.2403	4.4000e-004		0.0200	0.0200		0.0187	0.0187	0.0000	38.3001	38.3001	0.0106	0.0000	38.5643
Total	**0.0399**	**0.4003**	**0.2403**	**4.4000e-004**	**0.0262**	**0.0200**	**0.0462**	**3.9600e-003**	**0.0187**	**0.0226**	**0.0000**	**38.3001**	**38.3001**	**0.0106**	**0.0000**	**38.5643**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.7000e-004	0.0330	7.1600e-003	9.0000e-005	2.0500e-003	1.4000e-004	2.1800e-003	5.6000e-004	1.3000e-004	6.9000e-004	0.0000	8.9026	8.9026	8.5000e-004	0.0000	8.9239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.2000e-004	4.5100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1675	1.1675	3.0000e-005	0.0000	1.1683
Total	**1.4900e-003**	**0.0334**	**0.0117**	**1.0000e-004**	**3.4100e-003**	**1.5000e-004**	**3.5500e-003**	**9.2000e-004**	**1.4000e-004**	**1.0600e-003**	**0.0000**	**10.0701**	**10.0701**	**8.8000e-004**	**0.0000**	**10.0922**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0118	0.0000	0.0118	1.7800e-003	0.0000	1.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4003	0.2403	4.4000e-004		0.0200	0.0200		0.0187	0.0187	0.0000	38.3001	38.3001	0.0106	0.0000	38.5643
Total	**0.0399**	**0.4003**	**0.2403**	**4.4000e-004**	**0.0118**	**0.0200**	**0.0318**	**1.7800e-003**	**0.0187**	**0.0204**	**0.0000**	**38.3001**	**38.3001**	**0.0106**	**0.0000**	**38.5643**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.7000e-004	0.0330	7.1600e-003	9.0000e-005	2.0500e-003	1.4000e-004	2.1800e-003	5.6000e-004	1.3000e-004	6.9000e-004	0.0000	8.9026	8.9026	8.5000e-004	0.0000	8.9239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.2000e-004	4.5100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1675	1.1675	3.0000e-005	0.0000	1.1683
Total	**1.4900e-003**	**0.0334**	**0.0117**	**1.0000e-004**	**3.4100e-003**	**1.5000e-004**	**3.5500e-003**	**9.2000e-004**	**1.4000e-004**	**1.0600e-003**	**0.0000**	**10.0701**	**10.0701**	**8.8000e-004**	**0.0000**	**10.0922**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0783	0.0000	0.0783	0.0430	0.0000	0.0430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0168	0.1747	0.0834	1.5000e-004		8.9500e-003	8.9500e-003		8.2300e-003	8.2300e-003	0.0000	13.3043	13.3043	4.3000e-003	0.0000	13.4118
Total	**0.0168**	**0.1747**	**0.0834**	**1.5000e-004**	**0.0783**	**8.9500e-003**	**0.0872**	**0.0430**	**8.2300e-003**	**0.0513**	**0.0000**	**13.3043**	**13.3043**	**4.3000e-003**	**0.0000**	**13.4118**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.6000e-004	1.7400e-003	0.0000	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4490	0.4490	1.0000e-005	0.0000	0.4493
Total	**2.4000e-004**	**1.6000e-004**	**1.7400e-003**	**0.0000**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4490**	**0.4490**	**1.0000e-005**	**0.0000**	**0.4493**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0168	0.1747	0.0834	1.5000e-004		8.9500e-003	8.9500e-003		8.2300e-003	8.2300e-003	0.0000	13.3043	13.3043	4.3000e-003	0.0000	13.4118
Total	**0.0168**	**0.1747**	**0.0834**	**1.5000e-004**	**0.0352**	**8.9500e-003**	**0.0442**	**0.0194**	**8.2300e-003**	**0.0276**	**0.0000**	**13.3043**	**13.3043**	**4.3000e-003**	**0.0000**	**13.4118**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.6000e-004	1.7400e-003	0.0000	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4490	0.4490	1.0000e-005	0.0000	0.4493
Total	**2.4000e-004**	**1.6000e-004**	**1.7400e-003**	**0.0000**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4490**	**0.4490**	**1.0000e-005**	**0.0000**	**0.4493**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1708	0.0000	0.1708	0.0876	0.0000	0.0876	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0523	0.5766	0.2988	6.1000e-004		0.0262	0.0262		0.0241	0.0241	0.0000	53.5644	53.5644	0.0173	0.0000	53.9975
Total	**0.0523**	**0.5766**	**0.2988**	**6.1000e-004**	**0.1708**	**0.0262**	**0.1970**	**0.0876**	**0.0241**	**0.1117**	**0.0000**	**53.5644**	**53.5644**	**0.0173**	**0.0000**	**53.9975**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-003	0.1059	0.0230	2.9000e-004	6.5800e-003	4.3000e-004	7.0200e-003	1.8000e-003	4.2000e-004	2.2200e-003	0.0000	28.6075	28.6075	2.7400e-003	0.0000	28.6760
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	6.5000e-004	6.9400e-003	2.0000e-005	2.1000e-003	2.0000e-005	2.1100e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.7961	1.7961	5.0000e-005	0.0000	1.7973
Total	**3.7600e-003**	**0.1065**	**0.0300**	**3.1000e-004**	**8.6800e-003**	**4.5000e-004**	**9.1300e-003**	**2.3600e-003**	**4.3000e-004**	**2.7900e-003**	**0.0000**	**30.4037**	**30.4037**	**2.7900e-003**	**0.0000**	**30.4733**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0769	0.0000	0.0769	0.0394	0.0000	0.0394	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0523	0.5766	0.2988	6.1000e-004		0.0262	0.0262		0.0241	0.0241	0.0000	53.5643	53.5643	0.0173	0.0000	53.9974
Total	**0.0523**	**0.5766**	**0.2988**	**6.1000e-004**	**0.0769**	**0.0262**	**0.1031**	**0.0394**	**0.0241**	**0.0635**	**0.0000**	**53.5643**	**53.5643**	**0.0173**	**0.0000**	**53.9974**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-003	0.1059	0.0230	2.9000e-004	6.5800e-003	4.3000e-004	7.0200e-003	1.8000e-003	4.2000e-004	2.2200e-003	0.0000	28.6075	28.6075	2.7400e-003	0.0000	28.6760
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6000e-004	6.5000e-004	6.9400e-003	2.0000e-005	2.1000e-003	2.0000e-005	2.1100e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.7961	1.7961	5.0000e-005	0.0000	1.7973
Total	**3.7600e-003**	**0.1065**	**0.0300**	**3.1000e-004**	**8.6800e-003**	**4.5000e-004**	**9.1300e-003**	**2.3600e-003**	**4.3000e-004**	**2.7900e-003**	**0.0000**	**30.4037**	**30.4037**	**2.7900e-003**	**0.0000**	**30.4733**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2718	2.4928	2.3703	3.8500e-003		0.1371	0.1371		0.1289	0.1289	0.0000	331.2413	331.2413	0.0799	0.0000	333.2392
Total	**0.2718**	**2.4928**	**2.3703**	**3.8500e-003**		**0.1371**	**0.1371**		**0.1289**	**0.1289**	**0.0000**	**331.2413**	**331.2413**	**0.0799**	**0.0000**	**333.2392**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0181	0.6137	0.1652	1.6000e-003	0.0419	1.7300e-003	0.0436	0.0121	1.6500e-003	0.0137	0.0000	155.6834	155.6834	0.0124	0.0000	155.9928
Worker	0.0554	0.0359	0.3945	1.1900e-003	0.1291	9.1000e-004	0.1301	0.0343	8.4000e-004	0.0351	0.0000	107.3178	107.3178	2.7200e-003	0.0000	107.3857
Total	**0.0735**	**0.6495**	**0.5597**	**2.7900e-003**	**0.1710**	**2.6400e-003**	**0.1737**	**0.0464**	**2.4900e-003**	**0.0489**	**0.0000**	**263.0012**	**263.0012**	**0.0151**	**0.0000**	**263.3785**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2718	2.4928	2.3703	3.8500e-003		0.1371	0.1371		0.1289	0.1289	0.0000	331.2409	331.2409	0.0799	0.0000	333.2388
Total	**0.2718**	**2.4928**	**2.3703**	**3.8500e-003**		**0.1371**	**0.1371**		**0.1289**	**0.1289**	**0.0000**	**331.2409**	**331.2409**	**0.0799**	**0.0000**	**333.2388**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0181	0.6137	0.1652	1.6000e-003	0.0419	1.7300e-003	0.0436	0.0121	1.6500e-003	0.0137	0.0000	155.6834	155.6834	0.0124	0.0000	155.9928
Worker	0.0554	0.0359	0.3945	1.1900e-003	0.1291	9.1000e-004	0.1301	0.0343	8.4000e-004	0.0351	0.0000	107.3178	107.3178	2.7200e-003	0.0000	107.3857
Total	**0.0735**	**0.6495**	**0.5597**	**2.7900e-003**	**0.1710**	**2.6400e-003**	**0.1737**	**0.0464**	**2.4900e-003**	**0.0489**	**0.0000**	**263.0012**	**263.0012**	**0.0151**	**0.0000**	**263.3785**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2444					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1206	0.1436	2.3000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	20.1707	20.1707	1.3800e-003	0.0000	20.2053
Total	**1.2617**	**0.1206**	**0.1436**	**2.3000e-004**		**7.4300e-003**	**7.4300e-003**		**7.4300e-003**	**7.4300e-003**	**0.0000**	**20.1707**	**20.1707**	**1.3800e-003**	**0.0000**	**20.2053**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0100e-003	3.8900e-003	0.0428	1.3000e-004	0.0140	1.0000e-004	0.0141	3.7200e-003	9.0000e-005	3.8100e-003	0.0000	11.6458	11.6458	2.9000e-004	0.0000	11.6531
Total	**6.0100e-003**	**3.8900e-003**	**0.0428**	**1.3000e-004**	**0.0140**	**1.0000e-004**	**0.0141**	**3.7200e-003**	**9.0000e-005**	**3.8100e-003**	**0.0000**	**11.6458**	**11.6458**	**2.9000e-004**	**0.0000**	**11.6531**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2444					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1206	0.1436	2.3000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	20.1707	20.1707	1.3800e-003	0.0000	20.2053
Total	**1.2617**	**0.1206**	**0.1436**	**2.3000e-004**		**7.4300e-003**	**7.4300e-003**		**7.4300e-003**	**7.4300e-003**	**0.0000**	**20.1707**	**20.1707**	**1.3800e-003**	**0.0000**	**20.2053**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0100e-003	3.8900e-003	0.0428	1.3000e-004	0.0140	1.0000e-004	0.0141	3.7200e-003	9.0000e-005	3.8100e-003	0.0000	11.6458	11.6458	2.9000e-004	0.0000	11.6531
Total	**6.0100e-003**	**3.8900e-003**	**0.0428**	**1.3000e-004**	**0.0140**	**1.0000e-004**	**0.0141**	**3.7200e-003**	**9.0000e-005**	**3.8100e-003**	**0.0000**	**11.6458**	**11.6458**	**2.9000e-004**	**0.0000**	**11.6531**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0163	0.1680	0.1905	3.0000e-004		8.8100e-003	8.8100e-003		8.1100e-003	8.1100e-003	0.0000	26.0305	26.0305	8.4200e-003	0.0000	26.2410
Paving	2.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0189**	**0.1680**	**0.1905**	**3.0000e-004**		**8.8100e-003**	**8.8100e-003**		**8.1100e-003**	**8.1100e-003**	**0.0000**	**26.0305**	**26.0305**	**8.4200e-003**	**0.0000**	**26.2410**

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.4000e-004	4.8000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3066	1.3066	3.0000e-005	0.0000	1.3075
Total	**6.7000e-004**	**4.4000e-004**	**4.8000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3066**	**1.3066**	**3.0000e-005**	**0.0000**	**1.3075**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0163	0.1680	0.1905	3.0000e-004		8.8100e-003	8.8100e-003		8.1100e-003	8.1100e-003	0.0000	26.0305	26.0305	8.4200e-003	0.0000	26.2410
Paving	2.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0189**	**0.1680**	**0.1905**	**3.0000e-004**		**8.8100e-003**	**8.8100e-003**		**8.1100e-003**	**8.1100e-003**	**0.0000**	**26.0305**	**26.0305**	**8.4200e-003**	**0.0000**	**26.2410**

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.4000e-004	4.8000e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3066	1.3066	3.0000e-005	0.0000	1.3075
Total	**6.7000e-004**	**4.4000e-004**	**4.8000e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3066**	**1.3066**	**3.0000e-005**	**0.0000**	**1.3075**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1353	0.5707	1.7656	8.0300e-003	0.9652	5.2200e-003	0.9705	0.2581	4.8400e-003	0.2629	0.0000	742.5315	742.5315	0.0256	0.0000	743.1711
Unmitigated	0.1353	0.5707	1.7656	8.0300e-003	0.9652	5.2200e-003	0.9705	0.2581	4.8400e-003	0.2629	0.0000	742.5315	742.5315	0.0256	0.0000	743.1711

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	874.50	874.50	874.50	2,553,105	2,553,105
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	874.50	874.50	874.50	2,553,105	2,553,105

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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 Light Industry	0.611155	0.038739	0.187677	0.096955	0.013383	0.005563	0.020646	0.018593	0.001209	0.001094	0.003654	0.000418	0.000914
Parking Lot	0.611155	0.038739	0.187677	0.096955	0.013383	0.005563	0.020646	0.018593	0.001209	0.001094	0.003654	0.000418	0.000914

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	230.2792	230.2792	9.7600e-003	1.9500e-003	231.1050
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	230.2792	230.2792	9.7600e-003	1.9500e-003	231.1050
NaturalGas Mitigated	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.6392	196.6392	3.7700e-003	3.6100e-003	197.8077
NaturalGas Unmitigated	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.6392	196.6392	3.7700e-003	3.6100e-003	197.8077

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	3.68488e+006	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.6392	196.6392	3.7700e-003	3.6100e-003	197.8077
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0199**	**0.1806**	**0.1517**	**1.0800e-003**		**0.0137**	**0.0137**		**0.0137**	**0.0137**	**0.0000**	**196.6392**	**196.6392**	**3.7700e-003**	**3.6100e-003**	**197.8077**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	3.68488e+006	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.6392	196.6392	3.7700e-003	3.6100e-003	197.8077
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0199**	**0.1806**	**0.1517**	**1.0800e-003**		**0.0137**	**0.0137**		**0.0137**	**0.0137**	**0.0000**	**196.6392**	**196.6392**	**3.7700e-003**	**3.6100e-003**	**197.8077**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.40343e+006	225.2680	9.5500e-003	1.9100e-003	226.0758
Parking Lot	2240	0.3596	2.0000e-005	0.0000	0.3608
Parking Lot	28980	4.6517	2.0000e-004	4.0000e-005	4.6683
Total		**230.2792**	**9.7700e-003**	**1.9500e-003**	**231.1050**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.40343e+006	225.2680	9.5500e-003	1.9100e-003	226.0758
Parking Lot	2240	0.3596	2.0000e-005	0.0000	0.3608
Parking Lot	28980	4.6517	2.0000e-004	4.0000e-005	4.6683
Total		**230.2792**	**9.7700e-003**	**1.9500e-003**	**231.1050**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8191	3.0000e-005	3.6500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1400e-003	7.1400e-003	2.0000e-005	0.0000	7.6000e-003
Unmitigated	0.8191	3.0000e-005	3.6500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1400e-003	7.1400e-003	2.0000e-005	0.0000	7.6000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.6500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1400e-003	7.1400e-003	2.0000e-005	0.0000	7.6000e-003
Total	**0.8191**	**3.0000e-005**	**3.6500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**7.1400e-003**	**7.1400e-003**	**2.0000e-005**	**0.0000**	**7.6000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.6500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1400e-003	7.1400e-003	2.0000e-005	0.0000	7.6000e-003
Total	**0.8191**	**3.0000e-005**	**3.6500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**7.1400e-003**	**7.1400e-003**	**2.0000e-005**	**0.0000**	**7.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	78.5194	1.0657	0.0257	112.8134
Unmitigated	78.5194	1.0657	0.0257	112.8134

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	32.6174 / 0	78.5194	1.0657	0.0257	112.8134
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**78.5194**	**1.0657**	**0.0257**	**112.8134**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	32.6174 / 0	78.5194	1.0657	0.0257	112.8134
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**78.5194**	**1.0657**	**0.0257**	**112.8134**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	44.3779	2.6227	0.0000	109.9443
Unmitigated	44.3779	2.6227	0.0000	109.9443

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	218.62	44.3779	2.6227	0.0000	109.9443
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**44.3779**	**2.6227**	**0.0000**	**109.9443**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	218.62	44.3779	2.6227	0.0000	109.9443
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**44.3779**	**2.6227**	**0.0000**	**109.9443**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3233 Mission Oaks Boulevard Industrial Project

Ventura County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	52.50	1000sqft	1.21	52,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 energy intensity factors

Land Use -

Construction Phase - Not applicable

Vehicle Trips - Trip gen: 426 average daily trips (ADT). 426/52.5 = 8.114 ADT per 1,000 sf.

Energy Use -

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	2.46	8.11
tblVehicleTrips	SU_TR	1.05	8.11
tblVehicleTrips	WD_TR	11.03	8.11

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.3865	22.7125	15.2802	0.0257	5.8653	1.2871	6.7481	2.9711	1.2025	3.7833	0.0000	2,462.1221	2,462.1221	0.6041	0.0000	2,477.2245
2020	121.9234	15.7972	13.9247	0.0256	0.2005	0.8029	1.0034	0.0546	0.7754	0.8300	0.0000	2,373.1265	2,373.1265	0.4138	0.0000	2,383.0277
Maximum	**121.9234**	**22.7125**	**15.2802**	**0.0257**	**5.8653**	**1.2871**	**6.7481**	**2.9711**	**1.2025**	**3.7833**	**0.0000**	**2,462.1221**	**2,462.1221**	**0.6041**	**0.0000**	**2,477.2245**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.3865	22.7125	15.2802	0.0257	5.8653	1.2871	6.7481	2.9711	1.2025	3.7833	0.0000	2,462.1221	2,462.1221	0.6041	0.0000	2,477.2245
2020	121.9234	15.7972	13.9247	0.0256	0.2005	0.8029	1.0034	0.0546	0.7754	0.8300	0.0000	2,373.1265	2,373.1265	0.4138	0.0000	2,383.0277
Maximum	**121.9234**	**22.7125**	**15.2802**	**0.0257**	**5.8653**	**1.2871**	**6.7481**	**2.9711**	**1.2025**	**3.7833**	**0.0000**	**2,462.1221**	**2,462.1221**	**0.6041**	**0.0000**	**2,477.2245**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Energy	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Mobile	0.6547	2.6678	7.9754	0.0239	2.1540	0.0260	2.1800	0.5753	0.0244	0.5997		2,416.0866	2,416.0866	0.1100		2,418.8372
Total	**2.1262**	**2.7967**	**8.0890**	**0.0247**	**2.1540**	**0.0358**	**2.1898**	**0.5753**	**0.0342**	**0.6095**		**2,570.7637**	**2,570.7637**	**0.1130**	**2.8400e-003**	**2,574.4342**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Energy	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Mobile	0.6547	2.6678	7.9754	0.0239	2.1540	0.0260	2.1800	0.5753	0.0244	0.5997		2,416.0866	2,416.0866	0.1100		2,418.8372
Total	**2.1262**	**2.7967**	**8.0890**	**0.0247**	**2.1540**	**0.0358**	**2.1898**	**0.5753**	**0.0342**	**0.6095**		**2,570.7637**	**2,570.7637**	**0.1130**	**2.8400e-003**	**2,574.4342**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2019	11/28/2019	5	20	
2	Site Preparation	Site Preparation	11/29/2019	12/2/2019	5	2	
3	Grading	Grading	12/3/2019	12/6/2019	5	4	
4	Building Construction	Building Construction	12/7/2019	9/11/2020	5	200	
5	Paving	Paving	9/12/2020	9/25/2020	5	10	
6	Architectural Coating	Architectural Coating	9/26/2020	10/9/2020	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 78,750; Non-Residential Outdoor: 26,250; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

3233 Mission Oaks Boulevard Industrial Project - Ventura County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	17.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**		**2,360.7198**	**2,360.7198**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0579	0.0375	0.3859	1.0200e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		101.4023	101.4023	2.9900e-003		101.4771
Total	**0.0579**	**0.0375**	**0.3859**	**1.0200e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**101.4023**	**101.4023**	**2.9900e-003**		**101.4771**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**	**0.0000**	**2,360.7197**	**2,360.7197**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0579	0.0375	0.3859	1.0200e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		101.4023	101.4023	2.9900e-003		101.4771
Total	**0.0579**	**0.0375**	**0.3859**	**1.0200e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**101.4023**	**101.4023**	**2.9900e-003**		**101.4771**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118		1,704.9189	1,704.9189	0.5394		1,718.4044
Total	**1.7123**	**19.4821**	**7.8893**	**0.0172**	**5.7996**	**0.8824**	**6.6819**	**2.9537**	**0.8118**	**3.7655**		**1,704.9189**	**1,704.9189**	**0.5394**		**1,718.4044**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0356	0.0231	0.2375	6.3000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		62.4014	62.4014	1.8400e-003		62.4474
Total	**0.0356**	**0.0231**	**0.2375**	**6.3000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**62.4014**	**62.4014**	**1.8400e-003**		**62.4474**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118	0.0000	1,704.9189	1,704.9189	0.5394		1,718.4044
Total	**1.7123**	**19.4821**	**7.8893**	**0.0172**	**5.7996**	**0.8824**	**6.6819**	**2.9537**	**0.8118**	**3.7655**	**0.0000**	**1,704.9189**	**1,704.9189**	**0.5394**		**1,718.4044**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0356	0.0231	0.2375	6.3000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		62.4014	62.4014	1.8400e-003		62.4474
Total	**0.0356**	**0.0231**	**0.2375**	**6.3000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**62.4014**	**62.4014**	**1.8400e-003**		**62.4474**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775		1,396.3909	1,396.3909	0.4418		1,407.4359
Total	**1.4197**	**16.0357**	**6.6065**	**0.0141**	**4.9143**	**0.7365**	**5.6507**	**2.5256**	**0.6775**	**3.2032**		**1,396.3909**	**1,396.3909**	**0.4418**		**1,407.4359**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0356	0.0231	0.2375	6.3000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		62.4014	62.4014	1.8400e-003		62.4474
Total	**0.0356**	**0.0231**	**0.2375**	**6.3000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**62.4014**	**62.4014**	**1.8400e-003**		**62.4474**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775	0.0000	1,396.3909	1,396.3909	0.4418		1,407.4359
Total	**1.4197**	**16.0357**	**6.6065**	**0.0141**	**4.9143**	**0.7365**	**5.6507**	**2.5256**	**0.6775**	**3.2032**	**0.0000**	**1,396.3909**	**1,396.3909**	**0.4418**		**1,407.4359**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0356	0.0231	0.2375	6.3000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		62.4014	62.4014	1.8400e-003		62.4474
Total	**0.0356**	**0.0231**	**0.2375**	**6.3000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**62.4014**	**62.4014**	**1.8400e-003**		**62.4474**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846		2,018.0224	2,018.0224	0.3879		2,027.7210
Total	**2.2721**	**15.9802**	**13.4870**	**0.0220**		**0.9158**	**0.9158**		**0.8846**	**0.8846**		**2,018.0224**	**2,018.0224**	**0.3879**		**2,027.7210**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.0727	0.3107	2.2800e-003	0.0608	8.8700e-003	0.0697	0.0175	8.4800e-003	0.0260		244.7204	244.7204	0.0225		245.2829
Worker	0.0757	0.0490	0.5046	1.3300e-003	0.1397	1.0100e-003	0.1407	0.0370	9.3000e-004	0.0380		132.6031	132.6031	3.9100e-003		132.7008
Total	**0.1144**	**1.1217**	**0.8153**	**3.6100e-003**	**0.2005**	**9.8800e-003**	**0.2104**	**0.0545**	**9.4100e-003**	**0.0640**		**377.3234**	**377.3234**	**0.0264**		**377.9837**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846	0.0000	2,018.0224	2,018.0224	0.3879		2,027.7210
Total	**2.2721**	**15.9802**	**13.4870**	**0.0220**		**0.9158**	**0.9158**		**0.8846**	**0.8846**	**0.0000**	**2,018.0224**	**2,018.0224**	**0.3879**		**2,027.7210**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.0727	0.3107	2.2800e-003	0.0608	8.8700e-003	0.0697	0.0175	8.4800e-003	0.0260		244.7204	244.7204	0.0225		245.2829
Worker	0.0757	0.0490	0.5046	1.3300e-003	0.1397	1.0100e-003	0.1407	0.0370	9.3000e-004	0.0380		132.6031	132.6031	3.9100e-003		132.7008
Total	**0.1144**	**1.1217**	**0.8153**	**3.6100e-003**	**0.2005**	**9.8800e-003**	**0.2104**	**0.0545**	**9.4100e-003**	**0.0640**		**377.3234**	**377.3234**	**0.0264**		**377.9837**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688		2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**		**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	0.9652	0.2779	2.2700e-003	0.0608	5.9300e-003	0.0668	0.0175	5.6700e-003	0.0232		243.5531	243.5531	0.0211		244.0800
Worker	0.0704	0.0437	0.4587	1.2900e-003	0.1397	9.9000e-004	0.1406	0.0370	9.1000e-004	0.0380		128.4139	128.4139	3.4800e-003		128.5009
Total	**0.1023**	**1.0090**	**0.7366**	**3.5600e-003**	**0.2005**	**6.9200e-003**	**0.2074**	**0.0546**	**6.5800e-003**	**0.0611**		**371.9670**	**371.9670**	**0.0246**		**372.5809**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688	0.0000	2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**	**0.0000**	**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	0.9652	0.2779	2.2700e-003	0.0608	5.9300e-003	0.0668	0.0175	5.6700e-003	0.0232		243.5531	243.5531	0.0211		244.0800
Worker	0.0704	0.0437	0.4587	1.2900e-003	0.1397	9.9000e-004	0.1406	0.0370	9.1000e-004	0.0380		128.4139	128.4139	3.4800e-003		128.5009
Total	**0.1023**	**1.0090**	**0.7366**	**3.5600e-003**	**0.2005**	**6.9200e-003**	**0.2074**	**0.0546**	**6.5800e-003**	**0.0611**		**371.9670**	**371.9670**	**0.0246**		**372.5809**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328		1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8402**	**8.4514**	**8.8758**	**0.0135**		**0.4695**	**0.4695**		**0.4328**	**0.4328**		**1,296.9461**	**1,296.9461**	**0.4111**		**1,307.2246**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.0538**	**0.0335**	**0.3508**	**9.9000e-004**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**98.1989**	**98.1989**	**2.6600e-003**		**98.2654**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328	0.0000	1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8402**	**8.4514**	**8.8758**	**0.0135**		**0.4695**	**0.4695**		**0.4328**	**0.4328**	**0.0000**	**1,296.9461**	**1,296.9461**	**0.4111**		**1,307.2246**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.0538**	**0.0335**	**0.3508**	**9.9000e-004**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**98.1989**	**98.1989**	**2.6600e-003**		**98.2654**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	121.6688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**121.9109**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0124	7.7200e-003	0.0810	2.3000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		22.6613	22.6613	6.1000e-004		22.6766
Total	**0.0124**	**7.7200e-003**	**0.0810**	**2.3000e-004**	**0.0246**	**1.7000e-004**	**0.0248**	**6.5400e-003**	**1.6000e-004**	**6.7000e-003**		**22.6613**	**22.6613**	**6.1000e-004**		**22.6766**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	121.6688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**121.9109**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0124	7.7200e-003	0.0810	2.3000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		22.6613	22.6613	6.1000e-004		22.6766
Total	**0.0124**	**7.7200e-003**	**0.0810**	**2.3000e-004**	**0.0246**	**1.7000e-004**	**0.0248**	**6.5400e-003**	**1.6000e-004**	**6.7000e-003**		**22.6613**	**22.6613**	**6.1000e-004**		**22.6766**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6547	2.6678	7.9754	0.0239	2.1540	0.0260	2.1800	0.5753	0.0244	0.5997		2,416.0866	2,416.0866	0.1100		2,418.8372
Unmitigated	0.6547	2.6678	7.9754	0.0239	2.1540	0.0260	2.1800	0.5753	0.0244	0.5997		2,416.0866	2,416.0866	0.1100		2,418.8372

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	425.78	425.78	425.78	1,017,497	1,017,497
Total	425.78	425.78	425.78	1,017,497	1,017,497

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
NaturalGas Unmitigated	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1314.66	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Total		**0.0142**	**0.1289**	**0.1083**	**7.7000e-004**		**9.8000e-003**	**9.8000e-003**		**9.8000e-003**	**9.8000e-003**		**154.6656**	**154.6656**	**2.9600e-003**	**2.8400e-003**	**155.5847**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.31466	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Total		**0.0142**	**0.1289**	**0.1083**	**7.7000e-004**		**9.8000e-003**	**9.8000e-003**		**9.8000e-003**	**9.8000e-003**		**154.6656**	**154.6656**	**2.9600e-003**	**2.8400e-003**	**155.5847**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Unmitigated	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1000e-004	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Total	**1.4574**	**5.0000e-005**	**5.3900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0115**	**0.0115**	**3.0000e-005**		**0.0123**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1000e-004	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Total	**1.4574**	**5.0000e-005**	**5.3900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0115**	**0.0115**	**3.0000e-005**		**0.0123**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3233 Mission Oaks Boulevard Industrial Project

Ventura County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	52.50	1000sqft	1.21	52,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 energy intensity factors

Land Use -

Construction Phase - Not applicable

Vehicle Trips - Trip gen: 426 average daily trips (ADT). 426/52.5 = 8.114 ADT per 1,000 sf.

Energy Use -

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	2.46	8.11
tblVehicleTrips	SU_TR	1.05	8.11
tblVehicleTrips	WD_TR	11.03	8.11

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.3756	22.7070	15.2885	0.0258	5.8653	1.2871	6.7481	2.9711	1.2025	3.7833	0.0000	2,467.2805	2,467.2805	0.6042	0.0000	2,482.3853
2020	121.9219	15.7899	13.9043	0.0257	0.2005	0.8027	1.0032	0.0546	0.7753	0.8298	0.0000	2,385.7668	2,385.7668	0.4139	0.0000	2,395.6387
Maximum	**121.9219**	**22.7070**	**15.2885**	**0.0258**	**5.8653**	**1.2871**	**6.7481**	**2.9711**	**1.2025**	**3.7833**	**0.0000**	**2,467.2805**	**2,467.2805**	**0.6042**	**0.0000**	**2,482.3853**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.3756	22.7070	15.2885	0.0258	5.8653	1.2871	6.7481	2.9711	1.2025	3.7833	0.0000	2,467.2805	2,467.2805	0.6042	0.0000	2,482.3853
2020	121.9219	15.7899	13.9043	0.0257	0.2005	0.8027	1.0032	0.0546	0.7753	0.8298	0.0000	2,385.7668	2,385.7668	0.4139	0.0000	2,395.6387
Maximum	**121.9219**	**22.7070**	**15.2885**	**0.0258**	**5.8653**	**1.2871**	**6.7481**	**2.9711**	**1.2025**	**3.7833**	**0.0000**	**2,467.2805**	**2,467.2805**	**0.6042**	**0.0000**	**2,482.3853**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Energy	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Mobile	0.6876	2.5523	7.8033	0.0250	2.1540	0.0257	2.1797	0.5753	0.0241	0.5994		2,521.5799	2,521.5799	0.1080		2,524.2801
Total	**2.1592**	**2.6812**	**7.9170**	**0.0257**	**2.1540**	**0.0355**	**2.1895**	**0.5753**	**0.0339**	**0.6092**		**2,676.2570**	**2,676.2570**	**0.1110**	**2.8400e-003**	**2,679.8770**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Energy	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Mobile	0.6876	2.5523	7.8033	0.0250	2.1540	0.0257	2.1797	0.5753	0.0241	0.5994		2,521.5799	2,521.5799	0.1080		2,524.2801
Total	**2.1592**	**2.6812**	**7.9170**	**0.0257**	**2.1540**	**0.0355**	**2.1895**	**0.5753**	**0.0339**	**0.6092**		**2,676.2570**	**2,676.2570**	**0.1110**	**2.8400e-003**	**2,679.8770**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2019	11/28/2019	5	20	
2	Site Preparation	Site Preparation	11/29/2019	12/2/2019	5	2	
3	Grading	Grading	12/3/2019	12/6/2019	5	4	
4	Building Construction	Building Construction	12/7/2019	9/11/2020	5	200	
5	Paving	Paving	9/12/2020	9/25/2020	5	10	
6	Architectural Coating	Architectural Coating	9/26/2020	10/9/2020	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 78,750; Non-Residential Outdoor: 26,250; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

3233 Mission Oaks Boulevard Industrial Project - Ventura County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	17.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**		**2,360.7198**	**2,360.7198**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0320	0.3942	1.0700e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		106.5607	106.5607	3.0900e-003		106.6379
Total	**0.0511**	**0.0320**	**0.3942**	**1.0700e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**106.5607**	**106.5607**	**3.0900e-003**		**106.6379**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**	**0.0000**	**2,360.7197**	**2,360.7197**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0320	0.3942	1.0700e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		106.5607	106.5607	3.0900e-003		106.6379
Total	**0.0511**	**0.0320**	**0.3942**	**1.0700e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**106.5607**	**106.5607**	**3.0900e-003**		**106.6379**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118		1,704.9189	1,704.9189	0.5394		1,718.4044
Total	**1.7123**	**19.4821**	**7.8893**	**0.0172**	**5.7996**	**0.8824**	**6.6819**	**2.9537**	**0.8118**	**3.7655**		**1,704.9189**	**1,704.9189**	**0.5394**		**1,718.4044**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0315	0.0197	0.2426	6.6000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		65.5758	65.5758	1.9000e-003		65.6233
Total	**0.0315**	**0.0197**	**0.2426**	**6.6000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**65.5758**	**65.5758**	**1.9000e-003**		**65.6233**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.7123	19.4821	7.8893	0.0172		0.8824	0.8824		0.8118	0.8118	0.0000	1,704.9189	1,704.9189	0.5394		1,718.4044
Total	**1.7123**	**19.4821**	**7.8893**	**0.0172**	**5.7996**	**0.8824**	**6.6819**	**2.9537**	**0.8118**	**3.7655**	**0.0000**	**1,704.9189**	**1,704.9189**	**0.5394**		**1,718.4044**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0315	0.0197	0.2426	6.6000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		65.5758	65.5758	1.9000e-003		65.6233
Total	**0.0315**	**0.0197**	**0.2426**	**6.6000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**65.5758**	**65.5758**	**1.9000e-003**		**65.6233**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775		1,396.3909	1,396.3909	0.4418		1,407.4359
Total	**1.4197**	**16.0357**	**6.6065**	**0.0141**	**4.9143**	**0.7365**	**5.6507**	**2.5256**	**0.6775**	**3.2032**		**1,396.3909**	**1,396.3909**	**0.4418**		**1,407.4359**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0315	0.0197	0.2426	6.6000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		65.5758	65.5758	1.9000e-003		65.6233
Total	**0.0315**	**0.0197**	**0.2426**	**6.6000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**65.5758**	**65.5758**	**1.9000e-003**		**65.6233**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.4197	16.0357	6.6065	0.0141		0.7365	0.7365		0.6775	0.6775	0.0000	1,396.3909	1,396.3909	0.4418		1,407.4359
Total	**1.4197**	**16.0357**	**6.6065**	**0.0141**	**4.9143**	**0.7365**	**5.6507**	**2.5256**	**0.6775**	**3.2032**	**0.0000**	**1,396.3909**	**1,396.3909**	**0.4418**		**1,407.4359**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0315	0.0197	0.2426	6.6000e-004	0.0657	4.7000e-004	0.0662	0.0174	4.4000e-004	0.0179		65.5758	65.5758	1.9000e-003		65.6233
Total	**0.0315**	**0.0197**	**0.2426**	**6.6000e-004**	**0.0657**	**4.7000e-004**	**0.0662**	**0.0174**	**4.4000e-004**	**0.0179**		**65.5758**	**65.5758**	**1.9000e-003**		**65.6233**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846		2,018.0224	2,018.0224	0.3879		2,027.7210
Total	**2.2721**	**15.9802**	**13.4870**	**0.0220**		**0.9158**	**0.9158**		**0.8846**	**0.8846**		**2,018.0224**	**2,018.0224**	**0.3879**		**2,027.7210**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0367	1.0695	0.2754	2.3400e-003	0.0608	8.6500e-003	0.0695	0.0175	8.2700e-003	0.0258		250.6998	250.6998	0.0211		251.2267
Worker	0.0668	0.0418	0.5155	1.4000e-003	0.1397	1.0100e-003	0.1407	0.0370	9.3000e-004	0.0380		139.3487	139.3487	4.0300e-003		139.4495
Total	**0.1035**	**1.1113**	**0.7909**	**3.7400e-003**	**0.2005**	**9.6600e-003**	**0.2101**	**0.0545**	**9.2000e-003**	**0.0638**		**390.0485**	**390.0485**	**0.0251**		**390.6762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2721	15.9802	13.4870	0.0220		0.9158	0.9158		0.8846	0.8846	0.0000	2,018.0224	2,018.0224	0.3879		2,027.7210
Total	**2.2721**	**15.9802**	**13.4870**	**0.0220**		**0.9158**	**0.9158**		**0.8846**	**0.8846**	**0.0000**	**2,018.0224**	**2,018.0224**	**0.3879**		**2,027.7210**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0367	1.0695	0.2754	2.3400e-003	0.0608	8.6500e-003	0.0695	0.0175	8.2700e-003	0.0258		250.6998	250.6998	0.0211		251.2267
Worker	0.0668	0.0418	0.5155	1.4000e-003	0.1397	1.0100e-003	0.1407	0.0370	9.3000e-004	0.0380		139.3487	139.3487	4.0300e-003		139.4495
Total	**0.1035**	**1.1113**	**0.7909**	**3.7400e-003**	**0.2005**	**9.6600e-003**	**0.2101**	**0.0545**	**9.2000e-003**	**0.0638**		**390.0485**	**390.0485**	**0.0251**		**390.6762**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688		2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**		**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0301	0.9644	0.2464	2.3200e-003	0.0608	5.7800e-003	0.0666	0.0175	5.5300e-003	0.0230		249.6586	249.6586	0.0198		250.1533
Worker	0.0621	0.0373	0.4698	1.3500e-003	0.1397	9.9000e-004	0.1406	0.0370	9.1000e-004	0.0380		134.9487	134.9487	3.6000e-003		135.0387
Total	**0.0923**	**1.0017**	**0.7162**	**3.6700e-003**	**0.2005**	**6.7700e-003**	**0.2073**	**0.0546**	**6.4400e-003**	**0.0610**		**384.6073**	**384.6073**	**0.0234**		**385.1920**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688	0.0000	2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**	**0.0000**	**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0301	0.9644	0.2464	2.3200e-003	0.0608	5.7800e-003	0.0666	0.0175	5.5300e-003	0.0230		249.6586	249.6586	0.0198		250.1533
Worker	0.0621	0.0373	0.4698	1.3500e-003	0.1397	9.9000e-004	0.1406	0.0370	9.1000e-004	0.0380		134.9487	134.9487	3.6000e-003		135.0387
Total	**0.0923**	**1.0017**	**0.7162**	**3.6700e-003**	**0.2005**	**6.7700e-003**	**0.2073**	**0.0546**	**6.4400e-003**	**0.0610**		**384.6073**	**384.6073**	**0.0234**		**385.1920**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328		1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8402**	**8.4514**	**8.8758**	**0.0135**		**0.4695**	**0.4695**		**0.4328**	**0.4328**		**1,296.9461**	**1,296.9461**	**0.4111**		**1,307.2246**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.0475**	**0.0285**	**0.3593**	**1.0400e-003**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**103.1961**	**103.1961**	**2.7500e-003**		**103.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8402	8.4514	8.8758	0.0135		0.4695	0.4695		0.4328	0.4328	0.0000	1,296.9461	1,296.9461	0.4111		1,307.2246
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8402**	**8.4514**	**8.8758**	**0.0135**		**0.4695**	**0.4695**		**0.4328**	**0.4328**	**0.0000**	**1,296.9461**	**1,296.9461**	**0.4111**		**1,307.2246**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.0475**	**0.0285**	**0.3593**	**1.0400e-003**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**103.1961**	**103.1961**	**2.7500e-003**		**103.2649**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	121.6688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**121.9109**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0110	6.5800e-003	0.0829	2.4000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		23.8145	23.8145	6.4000e-004		23.8304
Total	**0.0110**	**6.5800e-003**	**0.0829**	**2.4000e-004**	**0.0246**	**1.7000e-004**	**0.0248**	**6.5400e-003**	**1.6000e-004**	**6.7000e-003**		**23.8145**	**23.8145**	**6.4000e-004**		**23.8304**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	121.6688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**121.9109**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0110	6.5800e-003	0.0829	2.4000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		23.8145	23.8145	6.4000e-004		23.8304
Total	**0.0110**	**6.5800e-003**	**0.0829**	**2.4000e-004**	**0.0246**	**1.7000e-004**	**0.0248**	**6.5400e-003**	**1.6000e-004**	**6.7000e-003**		**23.8145**	**23.8145**	**6.4000e-004**		**23.8304**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6876	2.5523	7.8033	0.0250	2.1540	0.0257	2.1797	0.5753	0.0241	0.5994		2,521.5799	2,521.5799	0.1080		2,524.2801
Unmitigated	0.6876	2.5523	7.8033	0.0250	2.1540	0.0257	2.1797	0.5753	0.0241	0.5994		2,521.5799	2,521.5799	0.1080		2,524.2801

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	425.78	425.78	425.78	1,017,497	1,017,497
Total	425.78	425.78	425.78	1,017,497	1,017,497

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
NaturalGas Unmitigated	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1314.66	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Total		**0.0142**	**0.1289**	**0.1083**	**7.7000e-004**		**9.8000e-003**	**9.8000e-003**		**9.8000e-003**	**9.8000e-003**		**154.6656**	**154.6656**	**2.9600e-003**	**2.8400e-003**	**155.5847**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.31466	0.0142	0.1289	0.1083	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6656	154.6656	2.9600e-003	2.8400e-003	155.5847
Total		**0.0142**	**0.1289**	**0.1083**	**7.7000e-004**		**9.8000e-003**	**9.8000e-003**		**9.8000e-003**	**9.8000e-003**		**154.6656**	**154.6656**	**2.9600e-003**	**2.8400e-003**	**155.5847**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Unmitigated	1.4574	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1000e-004	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Total	**1.4574**	**5.0000e-005**	**5.3900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0115**	**0.0115**	**3.0000e-005**		**0.0123**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1000e-004	5.0000e-005	5.3900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0115	0.0115	3.0000e-005		0.0123
Total	**1.4574**	**5.0000e-005**	**5.3900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0115**	**0.0115**	**3.0000e-005**		**0.0123**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

3233 Mission Oaks Boulevard Industrial Project

Ventura County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	52.50	1000sqft	1.21	52,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	353.87	**CH4 Intensity (lb/MWhr)**	0.015	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 energy intensity factors

Land Use -

Construction Phase - Not applicable

Vehicle Trips - Trip gen: 426 average daily trips (ADT). 426/52.5 = 8.114 ADT per 1,000 sf.

Energy Use -

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	702.44	353.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleTrips	ST_TR	2.46	8.11
tblVehicleTrips	SU_TR	1.05	8.11
tblVehicleTrips	WD_TR	11.03	8.11

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0483	0.4242	0.2959	5.2000e-004	0.0185	0.0231	0.0416	8.7900e-003	0.0218	0.0306	0.0000	45.1006	45.1006	9.9700e-003	0.0000	45.3497
2020	0.8084	1.4973	1.3278	2.4400e-003	0.0187	0.0764	0.0950	5.0800e-003	0.0737	0.0788	0.0000	205.0796	205.0796	0.0348	0.0000	205.9494
Maximum	**0.8084**	**1.4973**	**1.3278**	**2.4400e-003**	**0.0187**	**0.0764**	**0.0950**	**8.7900e-003**	**0.0737**	**0.0788**	**0.0000**	**205.0796**	**205.0796**	**0.0348**	**0.0000**	**205.9494**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0483	0.4242	0.2959	5.2000e-004	0.0185	0.0231	0.0416	8.7900e-003	0.0218	0.0306	0.0000	45.1006	45.1006	9.9700e-003	0.0000	45.3497
2020	0.8084	1.4973	1.3278	2.4400e-003	0.0187	0.0764	0.0950	5.0800e-003	0.0737	0.0788	0.0000	205.0794	205.0794	0.0348	0.0000	205.9492
Maximum	**0.8084**	**1.4973**	**1.3278**	**2.4400e-003**	**0.0187**	**0.0764**	**0.0950**	**8.7900e-003**	**0.0737**	**0.0788**	**0.0000**	**205.0794**	**205.0794**	**0.0348**	**0.0000**	**205.9492**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-1-2019**	**1-31-2020**	0.6786	0.6786
2	**2-1-2020**	**4-30-2020**	0.5761	0.5761
3	**5-1-2020**	**7-31-2020**	0.5886	0.5886
4	**8-1-2020**	**9-30-2020**	0.5363	0.5363
		Highest	0.6786	0.6786

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2659	0.0000	4.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.4000e-004	9.4000e-004	0.0000	0.0000	1.0000e-003
Energy	2.5900e-003	0.0235	0.0198	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	143.4992	143.4992	5.4900e-003	1.4700e-003	144.0742
Mobile	0.1177	0.4845	1.4138	4.3800e-003	0.3849	4.6900e-003	0.3896	0.1030	4.4000e-003	0.1074	0.0000	401.9115	401.9115	0.0179	0.0000	402.3582
Waste						0.0000	0.0000		0.0000	0.0000	9.9121	0.0000	9.9121	0.5858	0.0000	24.5567
Water						0.0000	0.0000		0.0000	0.0000	2.9603	29.7009	32.6612	0.3053	7.4300e-003	42.5084
Total	**0.3862**	**0.5080**	**1.4341**	**4.5200e-003**	**0.3849**	**6.4800e-003**	**0.3914**	**0.1030**	**6.1900e-003**	**0.1091**	**12.8724**	**575.1125**	**587.9848**	**0.9145**	**8.9000e-003**	**613.4984**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2659	0.0000	4.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.4000e-004	9.4000e-004	0.0000	0.0000	1.0000e-003
Energy	2.5900e-003	0.0235	0.0198	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	143.4992	143.4992	5.4900e-003	1.4700e-003	144.0742
Mobile	0.1177	0.4845	1.4138	4.3800e-003	0.3849	4.6900e-003	0.3896	0.1030	4.4000e-003	0.1074	0.0000	401.9115	401.9115	0.0179	0.0000	402.3582
Waste						0.0000	0.0000		0.0000	0.0000	7.4340	0.0000	7.4340	0.4393	0.0000	18.4175
Water						0.0000	0.0000		0.0000	0.0000	2.9603	29.7009	32.6612	0.3053	7.4300e-003	42.5084
Total	**0.3862**	**0.5080**	**1.4341**	**4.5200e-003**	**0.3849**	**6.4800e-003**	**0.3914**	**0.1030**	**6.1900e-003**	**0.1091**	**10.3943**	**575.1125**	**585.5068**	**0.7680**	**8.9000e-003**	**607.3593**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**19.25**	**0.00**	**0.42**	**16.01**	**0.00**	**1.00**

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	11/1/2019	11/28/2019	5	20	
2	Site Preparation	Site Preparation	11/29/2019	12/2/2019	5	2	
3	Grading	Grading	12/3/2019	12/6/2019	5	4	
4	Building Construction	Building Construction	12/7/2019	9/11/2020	5	200	
5	Paving	Paving	9/12/2020	9/25/2020	5	10	
6	Architectural Coating	Architectural Coating	9/26/2020	10/9/2020	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 78,750; Non-Residential Outdoor: 26,250; Striped Parking Area: 0 (Architectural Coating – sqft)

<u>OffRoad Equipment</u>

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	17.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0230	0.2268	0.1489	2.4000e-004		0.0129	0.0129		0.0120	0.0120	0.0000	21.4161	21.4161	5.4500e-003	0.0000	21.5524
Total	**0.0230**	**0.2268**	**0.1489**	**2.4000e-004**		**0.0129**	**0.0129**		**0.0120**	**0.0120**	**0.0000**	**21.4161**	**21.4161**	**5.4500e-003**	**0.0000**	**21.5524**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.6000e-004	3.8100e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9274	0.9274	3.0000e-005	0.0000	0.9280
Total	**5.2000e-004**	**3.6000e-004**	**3.8100e-003**	**1.0000e-005**	**1.0500e-003**	**1.0000e-005**	**1.0600e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.9274**	**0.9274**	**3.0000e-005**	**0.0000**	**0.9280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0230	0.2268	0.1489	2.4000e-004		0.0129	0.0129		0.0120	0.0120	0.0000	21.4161	21.4161	5.4500e-003	0.0000	21.5524
Total	**0.0230**	**0.2268**	**0.1489**	**2.4000e-004**		**0.0129**	**0.0129**		**0.0120**	**0.0120**	**0.0000**	**21.4161**	**21.4161**	**5.4500e-003**	**0.0000**	**21.5524**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.6000e-004	3.8100e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9274	0.9274	3.0000e-005	0.0000	0.9280
Total	**5.2000e-004**	**3.6000e-004**	**3.8100e-003**	**1.0000e-005**	**1.0500e-003**	**1.0000e-005**	**1.0600e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**0.9274**	**0.9274**	**3.0000e-005**	**0.0000**	**0.9280**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0195	7.8900e-003	2.0000e-005		8.8000e-004	8.8000e-004		8.1000e-004	8.1000e-004	0.0000	1.5467	1.5467	4.9000e-004	0.0000	1.5589
Total	**1.7100e-003**	**0.0195**	**7.8900e-003**	**2.0000e-005**	**5.8000e-003**	**8.8000e-004**	**6.6800e-003**	**2.9500e-003**	**8.1000e-004**	**3.7600e-003**	**0.0000**	**1.5467**	**1.5467**	**4.9000e-004**	**0.0000**	**1.5589**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0571	0.0571	0.0000	0.0000	0.0571
Total	**3.0000e-005**	**2.0000e-005**	**2.3000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0571**	**0.0571**	**0.0000**	**0.0000**	**0.0571**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0195	7.8900e-003	2.0000e-005		8.8000e-004	8.8000e-004		8.1000e-004	8.1000e-004	0.0000	1.5467	1.5467	4.9000e-004	0.0000	1.5589
Total	**1.7100e-003**	**0.0195**	**7.8900e-003**	**2.0000e-005**	**5.8000e-003**	**8.8000e-004**	**6.6800e-003**	**2.9500e-003**	**8.1000e-004**	**3.7600e-003**	**0.0000**	**1.5467**	**1.5467**	**4.9000e-004**	**0.0000**	**1.5589**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0571	0.0571	0.0000	0.0000	0.0571
Total	**3.0000e-005**	**2.0000e-005**	**2.3000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0571**	**0.0571**	**0.0000**	**0.0000**	**0.0571**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8400e-003	0.0321	0.0132	3.0000e-005		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	2.5336	2.5336	8.0000e-004	0.0000	2.5536
Total	**2.8400e-003**	**0.0321**	**0.0132**	**3.0000e-005**	**9.8300e-003**	**1.4700e-003**	**0.0113**	**5.0500e-003**	**1.3600e-003**	**6.4100e-003**	**0.0000**	**2.5336**	**2.5336**	**8.0000e-004**	**0.0000**	**2.5536**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.7000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1141	0.1141	0.0000	0.0000	0.1142
Total	**6.0000e-005**	**4.0000e-005**	**4.7000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1141**	**0.1141**	**0.0000**	**0.0000**	**0.1142**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8400e-003	0.0321	0.0132	3.0000e-005		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	2.5336	2.5336	8.0000e-004	0.0000	2.5536
Total	**2.8400e-003**	**0.0321**	**0.0132**	**3.0000e-005**	**9.8300e-003**	**1.4700e-003**	**0.0113**	**5.0500e-003**	**1.3600e-003**	**6.4100e-003**	**0.0000**	**2.5336**	**2.5336**	**8.0000e-004**	**0.0000**	**2.5536**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.7000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1141	0.1141	0.0000	0.0000	0.1142
Total	**6.0000e-005**	**4.0000e-005**	**4.7000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1141**	**0.1141**	**0.0000**	**0.0000**	**0.1142**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1358	0.1146	1.9000e-004		7.7800e-003	7.7800e-003		7.5200e-003	7.5200e-003	0.0000	15.5611	15.5611	2.9900e-003	0.0000	15.6359
Total	**0.0193**	**0.1358**	**0.1146**	**1.9000e-004**		**7.7800e-003**	**7.7800e-003**		**7.5200e-003**	**7.5200e-003**	**0.0000**	**15.5611**	**15.5611**	**2.9900e-003**	**0.0000**	**15.6359**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	9.2300e-003	2.4800e-003	2.0000e-005	5.1000e-004	7.0000e-005	5.8000e-004	1.5000e-004	7.0000e-005	2.2000e-004	0.0000	1.9138	1.9138	1.7000e-004	0.0000	1.9180
Worker	5.7000e-004	4.0000e-004	4.2400e-003	1.0000e-005	1.1700e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0308	1.0308	3.0000e-005	0.0000	1.0316
Total	**8.9000e-004**	**9.6300e-003**	**6.7200e-003**	**3.0000e-005**	**1.6800e-003**	**8.0000e-005**	**1.7500e-003**	**4.6000e-004**	**8.0000e-005**	**5.4000e-004**	**0.0000**	**2.9446**	**2.9446**	**2.0000e-004**	**0.0000**	**2.9495**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1358	0.1146	1.9000e-004		7.7800e-003	7.7800e-003		7.5200e-003	7.5200e-003	0.0000	15.5611	15.5611	2.9900e-003	0.0000	15.6359
Total	**0.0193**	**0.1358**	**0.1146**	**1.9000e-004**		**7.7800e-003**	**7.7800e-003**		**7.5200e-003**	**7.5200e-003**	**0.0000**	**15.5611**	**15.5611**	**2.9900e-003**	**0.0000**	**15.6359**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	9.2300e-003	2.4800e-003	2.0000e-005	5.1000e-004	7.0000e-005	5.8000e-004	1.5000e-004	7.0000e-005	2.2000e-004	0.0000	1.9138	1.9138	1.7000e-004	0.0000	1.9180
Worker	5.7000e-004	4.0000e-004	4.2400e-003	1.0000e-005	1.1700e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0308	1.0308	3.0000e-005	0.0000	1.0316
Total	**8.9000e-004**	**9.6300e-003**	**6.7200e-003**	**3.0000e-005**	**1.6800e-003**	**8.0000e-005**	**1.7500e-003**	**4.6000e-004**	**8.0000e-005**	**5.4000e-004**	**0.0000**	**2.9446**	**2.9446**	**2.0000e-004**	**0.0000**	**2.9495**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1858	1.3531	1.2067	2.0200e-003		0.0728	0.0728		0.0704	0.0704	0.0000	166.1111	166.1111	0.0308	0.0000	166.8820
Total	**0.1858**	**1.3531**	**1.2067**	**2.0200e-003**		**0.0728**	**0.0728**		**0.0704**	**0.0704**	**0.0000**	**166.1111**	**166.1111**	**0.0308**	**0.0000**	**166.8820**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8200e-003	0.0894	0.0239	2.1000e-004	5.4800e-003	5.3000e-004	6.0200e-003	1.5800e-003	5.1000e-004	2.0900e-003	0.0000	20.5107	20.5107	1.6900e-003	0.0000	20.5529
Worker	5.7400e-003	3.8700e-003	0.0415	1.2000e-004	0.0125	9.0000e-005	0.0126	3.3300e-003	8.0000e-005	3.4100e-003	0.0000	10.7457	10.7457	2.9000e-004	0.0000	10.7530
Total	**8.5600e-003**	**0.0933**	**0.0654**	**3.3000e-004**	**0.0180**	**6.2000e-004**	**0.0187**	**4.9100e-003**	**5.9000e-004**	**5.5000e-003**	**0.0000**	**31.2564**	**31.2564**	**1.9800e-003**	**0.0000**	**31.3058**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1858	1.3531	1.2067	2.0200e-003		0.0728	0.0728		0.0704	0.0704	0.0000	166.1109	166.1109	0.0308	0.0000	166.8818
Total	**0.1858**	**1.3531**	**1.2067**	**2.0200e-003**		**0.0728**	**0.0728**		**0.0704**	**0.0704**	**0.0000**	**166.1109**	**166.1109**	**0.0308**	**0.0000**	**166.8818**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8200e-003	0.0894	0.0239	2.1000e-004	5.4800e-003	5.3000e-004	6.0200e-003	1.5800e-003	5.1000e-004	2.0900e-003	0.0000	20.5107	20.5107	1.6900e-003	0.0000	20.5529
Worker	5.7400e-003	3.8700e-003	0.0415	1.2000e-004	0.0125	9.0000e-005	0.0126	3.3300e-003	8.0000e-005	3.4100e-003	0.0000	10.7457	10.7457	2.9000e-004	0.0000	10.7530
Total	**8.5600e-003**	**0.0933**	**0.0654**	**3.3000e-004**	**0.0180**	**6.2000e-004**	**0.0187**	**4.9100e-003**	**5.9000e-004**	**5.5000e-003**	**0.0000**	**31.2564**	**31.2564**	**1.9800e-003**	**0.0000**	**31.3058**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8829	5.8829	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.2000e-003**	**0.0423**	**0.0444**	**7.0000e-005**		**2.3500e-003**	**2.3500e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**5.8829**	**5.8829**	**1.8600e-003**	**0.0000**	**5.9295**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.6000e-004	1.7400e-003	0.0000	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4490	0.4490	1.0000e-005	0.0000	0.4493
Total	**2.4000e-004**	**1.6000e-004**	**1.7400e-003**	**0.0000**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4490**	**0.4490**	**1.0000e-005**	**0.0000**	**0.4493**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2000e-003	0.0423	0.0444	7.0000e-005		2.3500e-003	2.3500e-003		2.1600e-003	2.1600e-003	0.0000	5.8828	5.8828	1.8600e-003	0.0000	5.9295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.2000e-003**	**0.0423**	**0.0444**	**7.0000e-005**		**2.3500e-003**	**2.3500e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**5.8828**	**5.8828**	**1.8600e-003**	**0.0000**	**5.9295**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.6000e-004	1.7400e-003	0.0000	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4490	0.4490	1.0000e-005	0.0000	0.4493
Total	**2.4000e-004**	**1.6000e-004**	**1.7400e-003**	**0.0000**	**5.2000e-004**	**0.0000**	**5.3000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4490**	**0.4490**	**1.0000e-005**	**0.0000**	**0.4493**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6083					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	**0.6096**	**8.4200e-003**	**9.1600e-003**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.0000e-004**	**0.0000**	**1.2791**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1036	0.1036	0.0000	0.0000	0.1037
Total	**6.0000e-005**	**4.0000e-005**	**4.0000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1036**	**0.1036**	**0.0000**	**0.0000**	**0.1037**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6083					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	**0.6096**	**8.4200e-003**	**9.1600e-003**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.0000e-004**	**0.0000**	**1.2791**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1036	0.1036	0.0000	0.0000	0.1037
Total	**6.0000e-005**	**4.0000e-005**	**4.0000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1036**	**0.1036**	**0.0000**	**0.0000**	**0.1037**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1177	0.4845	1.4138	4.3800e-003	0.3849	4.6900e-003	0.3896	0.1030	4.4000e-003	0.1074	0.0000	401.9115	401.9115	0.0179	0.0000	402.3582
Unmitigated	0.1177	0.4845	1.4138	4.3800e-003	0.3849	4.6900e-003	0.3896	0.1030	4.4000e-003	0.1074	0.0000	401.9115	401.9115	0.0179	0.0000	402.3582

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	425.78	425.78	425.78	1,017,497	1,017,497
Total	425.78	425.78	425.78	1,017,497	1,017,497

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	117.8926	117.8926	5.0000e-003	1.0000e-003	118.3154
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	117.8926	117.8926	5.0000e-003	1.0000e-003	118.3154
NaturalGas Mitigated	2.5900e-003	0.0235	0.0198	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	25.6066	25.6066	4.9000e-004	4.7000e-004	25.7588
NaturalGas Unmitigated	2.5900e-003	0.0235	0.0198	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	25.6066	25.6066	4.9000e-004	4.7000e-004	25.7588

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	479850	2.5900e-003	0.0235	0.0198	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	25.6066	25.6066	4.9000e-004	4.7000e-004	25.7588
Total		**2.5900e-003**	**0.0235**	**0.0198**	**1.4000e-004**		**1.7900e-003**	**1.7900e-003**		**1.7900e-003**	**1.7900e-003**	**0.0000**	**25.6066**	**25.6066**	**4.9000e-004**	**4.7000e-004**	**25.7588**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	479850	2.5900e-003	0.0235	0.0198	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	25.6066	25.6066	4.9000e-004	4.7000e-004	25.7588
Total		**2.5900e-003**	**0.0235**	**0.0198**	**1.4000e-004**		**1.7900e-003**	**1.7900e-003**		**1.7900e-003**	**1.7900e-003**	**0.0000**	**25.6066**	**25.6066**	**4.9000e-004**	**4.7000e-004**	**25.7588**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	734475	117.8926	5.0000e-003	1.0000e-003	118.3154
Total		**117.8926**	**5.0000e-003**	**1.0000e-003**	**118.3154**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	734475	117.8926	5.0000e-003	1.0000e-003	118.3154
Total		**117.8926**	**5.0000e-003**	**1.0000e-003**	**118.3154**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2659	0.0000	4.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.4000e-004	9.4000e-004	0.0000	0.0000	1.0000e-003
Unmitigated	0.2659	0.0000	4.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.4000e-004	9.4000e-004	0.0000	0.0000	1.0000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	4.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.4000e-004	9.4000e-004	0.0000	0.0000	1.0000e-003
Total	**0.2659**	**0.0000**	**4.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**9.4000e-004**	**9.4000e-004**	**0.0000**	**0.0000**	**1.0000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	4.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.4000e-004	9.4000e-004	0.0000	0.0000	1.0000e-003
Total	**0.2659**	**0.0000**	**4.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**9.4000e-004**	**9.4000e-004**	**0.0000**	**0.0000**	**1.0000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	32.6612	0.3053	7.4300e-003	42.5084
Unmitigated	32.6612	0.3053	7.4300e-003	42.5084

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	9.33102 / 5.71901	32.6612	0.3053	7.4300e-003	42.5084
Total		**32.6612**	**0.3053**	**7.4300e-003**	**42.5084**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	9.33102 / 5.71901	32.6612	0.3053	7.4300e-003	42.5084
Total		**32.6612**	**0.3053**	**7.4300e-003**	**42.5084**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.4340	0.4393	0.0000	18.4175
Unmitigated	9.9121	0.5858	0.0000	24.5567

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	48.83	9.9121	0.5858	0.0000	24.5567
Total		**9.9121**	**0.5858**	**0.0000**	**24.5567**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	36.6225	7.4340	0.4393	0.0000	18.4175
Total		**7.4340**	**0.4393**	**0.0000**	**18.4175**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

N2O Operational GHG Emission Mobile Calculations

Proposed Project

Vehicle Population Breakdown*	
543735	Gasoline vehicles
29744	Diesel vehicles
94.8%	Gasoline vehicle %
5.2%	Diesel vehicle %

VMT per Vehicle Type	
2,368,041	Project VMT (CalEEMod output)
2245220	Gasoline vehicle VMT
122821	Diesel vehicle VMT

Gasoline Vehicles	
94.8%	Gasoline vehicle %
0.8739	Tons per year mobile NOX emissions (annual output in CalEEMod)
0.83	Gasoline vehicle tons per year NOX emissions
0.0537	Tons per year N2O emissions for gasoline vehicles**
0.0487	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
1.60	grams N2O per gallon of fuel for diesel vehicles**
24.15	Diesel average miles per gallon*
0.06624	grams per mile N2O for diesel vehicles
8135.6	grams per year N2O for diesel vehicles
0.0081356	Metric tons per year N2O emissions for diesel vehicles

CO2e Emissions from N2O	
0.0568	Metric tons per year from gasoline + diesel vehicles
298	GWP of N2O***
16.9	**CO2e emissions per year from N2O emissions from gasoline + diesel vehicles**

Sources
***Vehicle population source:** Source: EMFAC2017 (v1.0.2) Emissions Inventory Region Type: County Region: Ventura Calendar Year: 2030 Season: Annual Vehicle Classification: EMFAC2011 Categories ****Methodology source:** EMFAC2017 Volume III - Technical Documentation https://www.arb.ca.gov/msei/emfac2011-faq.htm *****GWP source:** Intergovernmental Panel on Climate Change (IPCC). 2007. AR4 Climate Change 2007: The Physical Science Basis. Contrbution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.

N2O Operational GHG Emission Mobile Calculations

Existing Project

Vehicle Population Breakdown*	
543735	Gasoline vehicles
29744	Diesel vehicles
94.8%	Gasoline vehicle %
5.2%	Diesel vehicle %

VMT per Vehicle Type	
1,017,497	Project VMT (CalEEMod output)
964724	Gasoline vehicle VMT
52773	Diesel vehicle VMT

Gasoline Vehicles	
94.8%	Gasoline vehicle %
0.4845	Tons per year mobile NOX emissions (annual output in CalEEMod)
0.46	Gasoline vehicle tons per year NOX emissions
0.0356	Tons per year N2O emissions for gasoline vehicles**
0.0323	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
1.60	grams N2O per gallon of fuel for diesel vehicles**
24.15	Diesel average miles per gallon*
0.06624	grams per mile N2O for diesel vehicles
3495.7	grams per year N2O for diesel vehicles
0.0034957	Metric tons per year N2O emissions for diesel vehicles

CO2e Emissions from N2O	
0.0358	Metric tons per year from gasoline + diesel vehicles
298	GWP of N2O***
10.7	**CO2e emissions per year from N2O emissions from gasoline + diesel vehicles**

Sources
***Vehicle population source:** Source: EMFAC2017 (v1.0.2) Emissions Inventory Region Type: County Region: Ventura Calendar Year: 2030 Season: Annual Vehicle Classification: EMFAC2011 Categories ****Methodology source:** EMFAC2017 Volume III - Technical Documentation https://www.arb.ca.gov/msei/emfac2011-faq.htm *****GWP source:** Intergovernmental Panel on Climate Change (IPCC). 2007. AR4 Climate Change 2007: The Physical Science Basis. Contrbution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.

3233 Mission Oaks Blvd. Industrial Project

Last Updated: 2/21/2020

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: Greater than 100	0.0529

Values above are expressed in gallons per horsepower-hour/BSFC.

CONSTRUCTION EQUIPMENT

Construction Equipment	#	Hours per Day	Horsepower	Load Factor	Construction Phase	Fuel Used (gallons)
Excavators	2	8	158	0.38	Demo	1,320.24
Rubber Tired Dozer	2	8	247	0.40	Demo	2,172.55
Concrete/Industrial Saws	1	8	81	0.73	Demo	722.74
Tractors/Loaders/Backhoes	1	8	97	0.37	Site Prep	438.68
Rubber Tired Dozer	1	8	247	0.40	Site Prep	1,086.27
Graders	1	8	187	0.41	Grading	1,685.92
Excavators	1	8	158	0.38	Grading	1,320.24
Rubber Tired Dozer	1	8	247	0.40	Grading	2,172.55
Tractors/Loaders/Backhoes	1	8	97	0.37	Grading	877.36
Cranes	1	7	231	0.29	Building	7,089.13
Forklifts	3	8	89	0.20	Building	7,179.77
Generator Sets	1	8	84	0.74	Building	8,357.57
Tractors/Loaders/Backhoes	3	7	97	0.37	Building	12,666.94
Welders	1	8	46	0.45	Building	2,783.17
Air Compressors	1	6	78	0.48	Arch Coating	343.22
Pavers	2	8	130	0.42	Paving	7,296.06
Paving Equipment	2	8	132	0.36	Paving	6,349.98
Rollers	2	8	80	0.38	Paving	4,516.10
					Total Fuel Used	**68,378.50 (Gallons)**

Construction Phase	Days of Operation
Demolition Phase	26
Site Preparation Phase	26
Grading Phase	52
Building Construction Phase	286
Paving Phase	158
Architectural Coating Phase	26
Total Days	574

WORKER TRIPS				
Constuction Phase	MPG [2]	Trips	Trip Length (miles)	Fuel Used (gallons)
Demolition	24.0	13	10.8	152.10
Site Prep Phase	24.0	5	10.8	58.50
Grading Phase	24.0	10	10.8	234.00
Building Phase	24.0	112	10.8	14414.40
Paving Phase	24.0	22	10.8	1564.20
Architectural Coating Phase	24.0	15	10.8	175.50
			Total	**16,598.70**

HAULING AND VENDOR TRIPS				
Trip Class	MPG [2]	Trips	Trip Length (miles)	Fuel Used (gallons)
HAULING TRIPS				
Demolition	7.4	239	20.0	645.95
Site Prep Phase	7.4	0	20.0	0.00
Grading Phase	7.4	768	20.0	2075.68
Building Phase	7.4	0	20.0	0.00
Paving Phase	7.4	0	20.0	0.00
Architectural Coating Phase	7.4	0	20.0	0.00
			Total	**2,721.62**
VENDOR TRIPS				
Demolition	7.4	0	7.3	0.00
Site Prep Phase	7.4	0	7.3	0.00
Grading Phase	7.4	0	7.3	0.00
Building Phase	7.4	44	7.3	12413.95
Paving Phase	7.4	0	7.3	0.00
Architectural Coating Phase	7.4	0	7.3	0.00
			Total	**12,413.95**

Total Gasoline Consumption (gallons)	**16,598.70**
Total Diesel Consumption (gallons)	**83,514.07**

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

3233 Mission Oaks Blvd. Industrial Project

Last Updated: 2/21/2020

Populate one of the following tables (Leave the other blank):

Annual VMT	OR	Daily Vehicle Trips
Annual VMT: 2,553,105		Daily Vehicle Trips:
		Average Trip Distance:

Fleet Class	Fleet Mix
Light Duty Auto (LDA)	0.611155
Light Duty Truck 1 (LDT1)	0.038739
Light Duty Truck 2 (LDT2)	0.187677
Medium Duty Vehicle (MDV)	0.096955
Light Heavy Duty 1 (LHD1)	0.013383
Light Heavy Duty 2 (LHD2)	0.005563
Medium Heavy Duty (MHD)	0.020646
Heavy Heavy Duty (HHD)	0.018593
Other Bus (OBUS)	0.001209
Urban Bus (UBUS)	0.001094
School Bus (SBUS)	0.000418
Motorhome (MH)	0.000914
Motorcycle (MCY)	0.003654

Fuel Economy (MPG)	
Passenger Vehicles	24.0
Light-Med Duty Trucks	17.4
Heavy Trucks/Other	7.4
Motorcycles	43.9

Fleet Mix

Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)
Passenger Vehicles	*61.12%*	*Gasoline*	1560343	0.00	65014.29
Light-Medium Duty Trucks	*32.34%*	*Gasoline*	825600	0.00	47448.28
Heavy Trucks/Other	*6.18%*	*Diesel*	157833	0.00	21328.78
Motorcycle	*0.37%*	*Gasoline*	9329	0.00	212.51

Total Gasoline Consumption (gallons)	**112675.08**
Total Diesel Consumption (gallons)	**21328.78**

Existing Project

Last Updated: 2/21/2020

Populate one of the following tables (Leave the other blank):

Annual VMT	OR	Daily Vehicle Trips
Annual VMT: 1,017,497		Daily Vehicle Trips:
		Average Trip Distance:

Fleet Class	Fleet Mix	Fuel Economy (MPG)		
Light Duty Auto (LDA)	0.577012	Passenger Vehicles	24.0	
Light Duty Truck 1 (LDT1)	0.042942	Light-Med Duty Trucks	17.4	
Light Duty Truck 2 (LDT2)	0.189872	Heavy Trucks/Other	7.4	
Medium Duty Vehicle (MDV)	0.117495	Motorcycles	43.9	
Light Heavy Duty 1 (LHD1)	0.021422			
Light Heavy Duty 2 (LHD2)	0.006664			
Medium Heavy Duty (MHD)	0.019052			
Heavy Heavy Duty (HHD)	0.017336			109,786
Other Bus (OBUS)	0.001134			127,464
Urban Bus (UBUS)	0.000976			1,000,000.0
School Bus (SBUS)	0.000371			
Motorhome (MH)	0.001721			
Motorcycle (MCY)	0.004002			

Fleet Mix

Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)	
Passenger Vehicles	*57.70%*	*Gasoline*	587,108	0.00	24,463	2,686
Light-Medium Duty Trucks	*35.03%*	*Gasoline*	356,438	0.00	20,485	2,249
Heavy Trucks/Other	*6.87%*	*Diesel*	69,878	0.00	9,443	1,204
Motorcycle	*0.40%*	*Gasoline*	4,072	0.00	93	10
						6,148

Total Gasoline Consumption (gallons)	**45040.55**
Total Diesel Consumption (gallons)	**9442.92**