Appendix A: Air Quality Modeling

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CalEEMod Output

Table of Contents

Copart Palmdale Annual Construction Emissions **A-1**

Copart Palmdale Summer Construction Emissions **A-15**

Copart Palmdale Winter Construction Emissions **A-29**

Copart Palmdale Annual Operation Emissions..... **A-43**

Copart Palmdale Summer Operation Emissions **A-55**

Copart Palmdale Winter Operation Emissions **A-63**

Copart Construction

Antelope Valley 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	2.45	1000sqft	0.06	2,448.00	0
User Defined Industrial	15,000.00	User Defined Unit	0.34	15,000.00	0
Other Asphalt Surfaces	7.18	Acre	7.18	312,760.80	0
Other Non-Asphalt Surfaces	61.07	Acre	61.07	2,660,209.20	0
Other Non-Asphalt Surfaces	11.74	Acre	11.74	511,394.40	0
Parking Lot	48.00	Space	1.93	84,071.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	499.71	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity is adjusted based on SCE renewable portfolio stanadards

Architectural Coating - parking area adjusted based on CaLEEMod 2016.3.2 Appendix A guidance for architectual coating, page 19.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	214,106.00	4,704.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	1,550.00	50.00
tblConstructionPhase	NumDays	155.00	60.00
tblConstructionPhase	NumDays	110.00	25.00
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	60.00	25.00
tblGrading	AcresOfGrading	150.00	387.50
tblLandUse	LandUseSquareFeet	2,450.00	2,448.00
tblLandUse	LandUseSquareFeet	0.00	15,000.00
tblLandUse	LandUseSquareFeet	19,200.00	84,071.00
tblLandUse	LotAcreage	0.00	0.34
tblLandUse	LotAcreage	0.43	1.93
tblProjectCharacteristics	CO2IntensityFactor	702.44	499.71
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

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	0.9350	6.0110	5.3091	0.0142	1.7730	0.2159	1.9888	0.7100	0.1995	0.9095	0.0000	1,291.6608	1,291.6608	0.1636	0.0000	1,295.7509
Maximum	**0.9350**	**6.0110**	**5.3091**	**0.0142**	**1.7730**	**0.2159**	**1.9888**	**0.7100**	**0.1995**	**0.9095**	**0.0000**	**1,291.6608**	**1,291.6608**	**0.1636**	**0.0000**	**1,295.7509**

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	0.9350	6.0110	5.3091	0.0142	1.1383	0.2159	1.3542	0.4110	0.1995	0.6105	0.0000	1,291.6603	1,291.6603	0.1636	0.0000	1,295.7504
Maximum	**0.9350**	**6.0110**	**5.3091**	**0.0142**	**1.1383**	**0.2159**	**1.3542**	**0.4110**	**0.1995**	**0.6105**	**0.0000**	**1,291.6603**	**1,291.6603**	**0.1636**	**0.0000**	**1,295.7504**

	ROG	NOx	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**	**35.80**	**0.00**	**31.91**	**42.11**	**0.00**	**32.87**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-1-2020**	**4-30-2020**	2.1020	2.1020
2	**5-1-2020**	**7-31-2020**	2.1409	2.1409
3	**8-1-2020**	**9-30-2020**	2.8579	2.8579
		Highest	2.8579	2.8579

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/1/2020	4/24/2020	5	60	
2	Sewer Pipeline Work	Site Preparation	2/1/2020	3/6/2020	5	25	
3	Grading	Grading	4/25/2020	7/17/2020	5	60	
4	Building Construction	Building Construction	7/18/2020	9/25/2020	5	50	
5	Paving (vehicle storage)	Paving	7/18/2020	8/21/2020	5	25	
6	Paving	Paving	9/1/2020	9/28/2020	5	20	
7	Architectural Coating	Architectural Coating	9/1/2020	9/28/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 81.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,172; Non-Residential Outdoor: 8,724; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Sewer Pipeline Work	Rubber Tired Dozers	3	8.00	247	0.40
Sewer Pipeline Work	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving (vehicle storage)	Pavers	2	8.00	130	0.42
Paving (vehicle storage)	Paving Equipment	2	8.00	132	0.36
Paving (vehicle storage)	Rollers	2	8.00	80	0.38
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
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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Sewer Pipeline Work	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,506.00	588.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving (vehicle storage)	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	301.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1223	1.2725	0.6454	1.1400e-003		0.0659	0.0659		0.0607	0.0607	0.0000	100.2920	100.2920	0.0324	0.0000	101.1030
Total	**0.1223**	**1.2725**	**0.6454**	**1.1400e-003**	**0.5420**	**0.0659**	**0.6079**	**0.2979**	**0.0607**	**0.3586**	**0.0000**	**100.2920**	**100.2920**	**0.0324**	**0.0000**	**101.1030**

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	3.0500e-003	2.7600e-003	0.0293	7.0000e-005	6.7600e-003	6.0000e-005	6.8200e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	6.2230	6.2230	2.2000e-004	0.0000	6.2285
Total	**3.0500e-003**	**2.7600e-003**	**0.0293**	**7.0000e-005**	**6.7600e-003**	**6.0000e-005**	**6.8200e-003**	**1.8000e-003**	**5.0000e-005**	**1.8500e-003**	**0.0000**	**6.2230**	**6.2230**	**2.2000e-004**	**0.0000**	**6.2285**

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					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1223	1.2725	0.6454	1.1400e-003		0.0659	0.0659		0.0607	0.0607	0.0000	100.2919	100.2919	0.0324	0.0000	101.1028
Total	**0.1223**	**1.2725**	**0.6454**	**1.1400e-003**	**0.2439**	**0.0659**	**0.3098**	**0.1341**	**0.0607**	**0.1947**	**0.0000**	**100.2919**	**100.2919**	**0.0324**	**0.0000**	**101.1028**

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	3.0500e-003	2.7600e-003	0.0293	7.0000e-005	6.7600e-003	6.0000e-005	6.8200e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	6.2230	6.2230	2.2000e-004	0.0000	6.2285
Total	**3.0500e-003**	**2.7600e-003**	**0.0293**	**7.0000e-005**	**6.7600e-003**	**6.0000e-005**	**6.8200e-003**	**1.8000e-003**	**5.0000e-005**	**1.8500e-003**	**0.0000**	**6.2230**	**6.2230**	**2.2000e-004**	**0.0000**	**6.2285**

3.3 Sewer Pipeline Work - 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					0.2258	0.0000	0.2258	0.1241	0.0000	0.1241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0510	0.5302	0.2689	4.8000e-004		0.0275	0.0275		0.0253	0.0253	0.0000	41.7884	41.7884	0.0135	0.0000	42.1262
Total	**0.0510**	**0.5302**	**0.2689**	**4.8000e-004**	**0.2258**	**0.0275**	**0.2533**	**0.1241**	**0.0253**	**0.1494**	**0.0000**	**41.7884**	**41.7884**	**0.0135**	**0.0000**	**42.1262**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2700e-003	1.1500e-003	0.0122	3.0000e-005	2.8200e-003	2.0000e-005	2.8400e-003	7.5000e-004	2.0000e-005	7.7000e-004	0.0000	2.5929	2.5929	9.0000e-005	0.0000	2.5952
Total	**1.2700e-003**	**1.1500e-003**	**0.0122**	**3.0000e-005**	**2.8200e-003**	**2.0000e-005**	**2.8400e-003**	**7.5000e-004**	**2.0000e-005**	**7.7000e-004**	**0.0000**	**2.5929**	**2.5929**	**9.0000e-005**	**0.0000**	**2.5952**

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					0.1016	0.0000	0.1016	0.0559	0.0000	0.0559	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0510	0.5302	0.2689	4.8000e-004		0.0275	0.0275		0.0253	0.0253	0.0000	41.7883	41.7883	0.0135	0.0000	42.1262
Total	**0.0510**	**0.5302**	**0.2689**	**4.8000e-004**	**0.1016**	**0.0275**	**0.1291**	**0.0559**	**0.0253**	**0.0811**	**0.0000**	**41.7883**	**41.7883**	**0.0135**	**0.0000**	**42.1262**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2700e-003	1.1500e-003	0.0122	3.0000e-005	2.8200e-003	2.0000e-005	2.8400e-003	7.5000e-004	2.0000e-005	7.7000e-004	0.0000	2.5929	2.5929	9.0000e-005	0.0000	2.5952
Total	**1.2700e-003**	**1.1500e-003**	**0.0122**	**3.0000e-005**	**2.8200e-003**	**2.0000e-005**	**2.8400e-003**	**7.5000e-004**	**2.0000e-005**	**7.7000e-004**	**0.0000**	**2.5929**	**2.5929**	**9.0000e-005**	**0.0000**	**2.5952**

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					0.3861	0.0000	0.3861	0.1215	0.0000	0.1215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1335	1.5059	0.9588	1.8600e-003		0.0652	0.0652		0.0600	0.0600	0.0000	163.4529	163.4529	0.0529	0.0000	164.7745
Total	**0.1335**	**1.5059**	**0.9588**	**1.8600e-003**	**0.3861**	**0.0652**	**0.4514**	**0.1215**	**0.0600**	**0.1815**	**0.0000**	**163.4529**	**163.4529**	**0.0529**	**0.0000**	**164.7745**

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	3.3900e-003	3.0700e-003	0.0325	8.0000e-005	7.5100e-003	6.0000e-005	7.5800e-003	2.0000e-003	6.0000e-005	2.0500e-003	0.0000	6.9144	6.9144	2.4000e-004	0.0000	6.9205
Total	**3.3900e-003**	**3.0700e-003**	**0.0325**	**8.0000e-005**	**7.5100e-003**	**6.0000e-005**	**7.5800e-003**	**2.0000e-003**	**6.0000e-005**	**2.0500e-003**	**0.0000**	**6.9144**	**6.9144**	**2.4000e-004**	**0.0000**	**6.9205**

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					0.1738	0.0000	0.1738	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1335	1.5059	0.9588	1.8600e-003		0.0652	0.0652		0.0600	0.0600	0.0000	163.4527	163.4527	0.0529	0.0000	164.7743
Total	**0.1335**	**1.5059**	**0.9588**	**1.8600e-003**	**0.1738**	**0.0652**	**0.2390**	**0.0547**	**0.0600**	**0.1147**	**0.0000**	**163.4527**	**163.4527**	**0.0529**	**0.0000**	**164.7743**

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	3.3900e-003	3.0700e-003	0.0325	8.0000e-005	7.5100e-003	6.0000e-005	7.5800e-003	2.0000e-003	6.0000e-005	2.0500e-003	0.0000	6.9144	6.9144	2.4000e-004	0.0000	6.9205
Total	**3.3900e-003**	**3.0700e-003**	**0.0325**	**8.0000e-005**	**7.5100e-003**	**6.0000e-005**	**7.5800e-003**	**2.0000e-003**	**6.0000e-005**	**2.0500e-003**	**0.0000**	**6.9144**	**6.9144**	**2.4000e-004**	**0.0000**	**6.9205**

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	0.0530	0.4797	0.4212	6.7000e-004		0.0279	0.0279		0.0263	0.0263	0.0000	57.9025	57.9025	0.0141	0.0000	58.2557
Total	**0.0530**	**0.4797**	**0.4212**	**6.7000e-004**		**0.0279**	**0.0279**		**0.0263**	**0.0263**	**0.0000**	**57.9025**	**57.9025**	**0.0141**	**0.0000**	**58.2557**

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	0.0499	1.6729	0.3696	4.1300e-003	0.0886	6.8800e-003	0.0955	0.0256	6.5800e-003	0.0321	0.0000	392.4233	392.4233	0.0186	0.0000	392.8891
Worker	0.2125	0.1924	2.0417	4.8100e-003	0.4715	3.9100e-003	0.4754	0.1252	3.6000e-003	0.1288	0.0000	433.8781	433.8781	0.0153	0.0000	434.2617
Total	**0.2624**	**1.8653**	**2.4113**	**8.9400e-003**	**0.5600**	**0.0108**	**0.5708**	**0.1508**	**0.0102**	**0.1610**	**0.0000**	**826.3015**	**826.3015**	**0.0340**	**0.0000**	**827.1507**

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	0.0530	0.4797	0.4212	6.7000e-004		0.0279	0.0279		0.0263	0.0263	0.0000	57.9024	57.9024	0.0141	0.0000	58.2556
Total	**0.0530**	**0.4797**	**0.4212**	**6.7000e-004**		**0.0279**	**0.0279**		**0.0263**	**0.0263**	**0.0000**	**57.9024**	**57.9024**	**0.0141**	**0.0000**	**58.2556**

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	0.0499	1.6729	0.3696	4.1300e-003	0.0886	6.8800e-003	0.0955	0.0256	6.5800e-003	0.0321	0.0000	392.4233	392.4233	0.0186	0.0000	392.8891
Worker	0.2125	0.1924	2.0417	4.8100e-003	0.4715	3.9100e-003	0.4754	0.1252	3.6000e-003	0.1288	0.0000	433.8781	433.8781	0.0153	0.0000	434.2617
Total	**0.2624**	**1.8653**	**2.4113**	**8.9400e-003**	**0.5600**	**0.0108**	**0.5708**	**0.1508**	**0.0102**	**0.1610**	**0.0000**	**826.3015**	**826.3015**	**0.0340**	**0.0000**	**827.1507**

3.6 Paving (vehicle storage) - 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	0.0170	0.1758	0.1832	2.8000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	25.0353	25.0353	8.1000e-003	0.0000	25.2377
Paving	0.0119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0289**	**0.1758**	**0.1832**	**2.8000e-004**		**9.4100e-003**	**9.4100e-003**		**8.6600e-003**	**8.6600e-003**	**0.0000**	**25.0353**	**25.0353**	**8.1000e-003**	**0.0000**	**25.2377**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0600e-003	9.6000e-004	0.0102	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1608	2.1608	8.0000e-005	0.0000	2.1627
Total	**1.0600e-003**	**9.6000e-004**	**0.0102**	**2.0000e-005**	**2.3500e-003**	**2.0000e-005**	**2.3700e-003**	**6.2000e-004**	**2.0000e-005**	**6.4000e-004**	**0.0000**	**2.1608**	**2.1608**	**8.0000e-005**	**0.0000**	**2.1627**

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	0.0170	0.1758	0.1832	2.8000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	25.0353	25.0353	8.1000e-003	0.0000	25.2377
Paving	0.0119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0289**	**0.1758**	**0.1832**	**2.8000e-004**		**9.4100e-003**	**9.4100e-003**		**8.6600e-003**	**8.6600e-003**	**0.0000**	**25.0353**	**25.0353**	**8.1000e-003**	**0.0000**	**25.2377**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0600e-003	9.6000e-004	0.0102	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1608	2.1608	8.0000e-005	0.0000	2.1627
Total	**1.0600e-003**	**9.6000e-004**	**0.0102**	**2.0000e-005**	**2.3500e-003**	**2.0000e-005**	**2.3700e-003**	**6.2000e-004**	**2.0000e-005**	**6.4000e-004**	**0.0000**	**2.1608**	**2.1608**	**8.0000e-005**	**0.0000**	**2.1627**

3.7 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	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902
Paving	0.0119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0255**	**0.1407**	**0.1465**	**2.3000e-004**		**7.5300e-003**	**7.5300e-003**		**6.9300e-003**	**6.9300e-003**	**0.0000**	**20.0282**	**20.0282**	**6.4800e-003**	**0.0000**	**20.1902**

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	8.5000e-004	7.7000e-004	8.1300e-003	2.0000e-005	1.8800e-003	2.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.7286	1.7286	6.0000e-005	0.0000	1.7301
Total	**8.5000e-004**	**7.7000e-004**	**8.1300e-003**	**2.0000e-005**	**1.8800e-003**	**2.0000e-005**	**1.8900e-003**	**5.0000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.7286**	**1.7286**	**6.0000e-005**	**0.0000**	**1.7301**

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	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901
Paving	0.0119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0255**	**0.1407**	**0.1465**	**2.3000e-004**		**7.5300e-003**	**7.5300e-003**		**6.9300e-003**	**6.9300e-003**	**0.0000**	**20.0282**	**20.0282**	**6.4800e-003**	**0.0000**	**20.1901**

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	8.5000e-004	7.7000e-004	8.1300e-003	2.0000e-005	1.8800e-003	2.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.7286	1.7286	6.0000e-005	0.0000	1.7301
Total	**8.5000e-004**	**7.7000e-004**	**8.1300e-003**	**2.0000e-005**	**1.8800e-003**	**2.0000e-005**	**1.8900e-003**	**5.0000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.7286**	**1.7286**	**6.0000e-005**	**0.0000**	**1.7301**

3.8 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	0.2294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	**0.2319**	**0.0168**	**0.0183**	**3.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**2.5533**	**2.5533**	**2.0000e-004**	**0.0000**	**2.5582**

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	0.0170	0.0154	0.1632	3.8000e-004	0.0377	3.1000e-004	0.0380	0.0100	2.9000e-004	0.0103	0.0000	34.6872	34.6872	1.2300e-003	0.0000	34.7179
Total	**0.0170**	**0.0154**	**0.1632**	**3.8000e-004**	**0.0377**	**3.1000e-004**	**0.0380**	**0.0100**	**2.9000e-004**	**0.0103**	**0.0000**	**34.6872**	**34.6872**	**1.2300e-003**	**0.0000**	**34.7179**

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	0.2294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	**0.2319**	**0.0168**	**0.0183**	**3.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**2.5533**	**2.5533**	**2.0000e-004**	**0.0000**	**2.5582**

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	0.0170	0.0154	0.1632	3.8000e-004	0.0377	3.1000e-004	0.0380	0.0100	2.9000e-004	0.0103	0.0000	34.6872	34.6872	1.2300e-003	0.0000	34.7179
Total	**0.0170**	**0.0154**	**0.1632**	**3.8000e-004**	**0.0377**	**3.1000e-004**	**0.0380**	**0.0100**	**2.9000e-004**	**0.0103**	**0.0000**	**34.6872**	**34.6872**	**1.2300e-003**	**0.0000**	**34.7179**

Copart Construction

Antelope Valley 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	2.45	1000sqft	0.06	2,448.00	0
User Defined Industrial	15,000.00	User Defined Unit	0.34	15,000.00	0
Other Asphalt Surfaces	7.18	Acre	7.18	312,760.80	0
Other Non-Asphalt Surfaces	61.07	Acre	61.07	2,660,209.20	0
Other Non-Asphalt Surfaces	11.74	Acre	11.74	511,394.40	0
Parking Lot	48.00	Space	1.93	84,071.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	499.71	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity is adjusted based on SCE renewable portfolio stanadards

Architectural Coating - parking area adjusted based on CaLEEMod 2016.3.2 Appendix A guidance for architectual coating, page 19.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	214,106.00	4,704.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	1,550.00	50.00
tblConstructionPhase	NumDays	155.00	60.00
tblConstructionPhase	NumDays	110.00	25.00
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	60.00	25.00
tblGrading	AcresOfGrading	150.00	387.50
tblLandUse	LandUseSquareFeet	2,450.00	2,448.00
tblLandUse	LandUseSquareFeet	0.00	15,000.00
tblLandUse	LandUseSquareFeet	19,200.00	84,071.00
tblLandUse	LotAcreage	0.00	0.34
tblLandUse	LotAcreage	0.43	1.93
tblProjectCharacteristics	CO2IntensityFactor	702.44	499.71
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

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	41.4981	109.3975	164.0231	0.4770	36.5923	4.3986	40.9909	19.9833	4.0467	24.0300	0.0000	48,133.6388	48,133.6388	3.0648	0.0000	48,210.2586
Maximum	**41.4981**	**109.3975**	**164.0231**	**0.4770**	**36.5923**	**4.3986**	**40.9909**	**19.9833**	**4.0467**	**24.0300**	**0.0000**	**48,133.6388**	**48,133.6388**	**3.0648**	**0.0000**	**48,210.2586**

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	41.4981	109.3975	164.0231	0.4770	26.8731	4.3986	29.3166	9.0596	4.0467	13.1062	0.0000	48,133.6388	48,133.6388	3.0648	0.0000	48,210.2586
Maximum	**41.4981**	**109.3975**	**164.0231**	**0.4770**	**26.8731**	**4.3986**	**29.3166**	**9.0596**	**4.0467**	**13.1062**	**0.0000**	**48,133.6388**	**48,133.6388**	**3.0648**	**0.0000**	**48,210.2586**

	ROG	**NOx**	**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**	**26.56**	**0.00**	**28.48**	**54.66**	**0.00**	**45.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/1/2020	4/24/2020	5	60	
2	Sewer Pipeline Work	Site Preparation	2/1/2020	3/6/2020	5	25	
3	Grading	Grading	4/25/2020	7/17/2020	5	60	
4	Building Construction	Building Construction	7/18/2020	9/25/2020	5	50	
5	Paving (vehicle storage)	Paving	7/18/2020	8/21/2020	5	25	
6	Paving	Paving	9/1/2020	9/28/2020	5	20	
7	Architectural Coating	Architectural Coating	9/1/2020	9/28/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 81.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,172; Non-Residential Outdoor: 8,724; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Sewer Pipeline Work	Rubber Tired Dozers	3	8.00	247	0.40
Sewer Pipeline Work	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving (vehicle storage)	Pavers	2	8.00	130	0.42
Paving (vehicle storage)	Paving Equipment	2	8.00	132	0.36
Paving (vehicle storage)	Rollers	2	8.00	80	0.38
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
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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Sewer Pipeline Work	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,506.00	588.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving (vehicle storage)	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	301.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1155	0.0820	1.1563	2.5300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		251.6305	251.6305	9.1200e-003		251.8584
Total	**0.1155**	**0.0820**	**1.1563**	**2.5300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**251.6305**	**251.6305**	**9.1200e-003**		**251.8584**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1155	0.0820	1.1563	2.5300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		251.6305	251.6305	9.1200e-003		251.8584
Total	**0.1155**	**0.0820**	**1.1563**	**2.5300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**251.6305**	**251.6305**	**9.1200e-003**		**251.8584**

3.3 Sewer Pipeline Work - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1155	0.0820	1.1563	2.5300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		251.6305	251.6305	9.1200e-003		251.8584
Total	**0.1155**	**0.0820**	**1.1563**	**2.5300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**251.6305**	**251.6305**	**9.1200e-003**		**251.8584**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1155	0.0820	1.1563	2.5300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		251.6305	251.6305	9.1200e-003		251.8584
Total	**0.1155**	**0.0820**	**1.1563**	**2.5300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**251.6305**	**251.6305**	**9.1200e-003**		**251.8584**

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					12.8712	0.0000	12.8712	4.0498	0.0000	4.0498			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**12.8712**	**2.1739**	**15.0451**	**4.0498**	**2.0000**	**6.0498**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

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	0.1283	0.0911	1.2847	2.8100e-003	0.2555	2.0800e-003	0.2575	0.0678	1.9100e-003	0.0697		279.5894	279.5894	0.0101		279.8426
Total	**0.1283**	**0.0911**	**1.2847**	**2.8100e-003**	**0.2555**	**2.0800e-003**	**0.2575**	**0.0678**	**1.9100e-003**	**0.0697**		**279.5894**	**279.5894**	**0.0101**		**279.8426**

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					5.7920	0.0000	5.7920	1.8224	0.0000	1.8224			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**5.7920**	**2.1739**	**7.9659**	**1.8224**	**2.0000**	**3.8224**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

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	0.1283	0.0911	1.2847	2.8100e-003	0.2555	2.0800e-003	0.2575	0.0678	1.9100e-003	0.0697		279.5894	279.5894	0.0101		279.8426
Total	**0.1283**	**0.0911**	**1.2847**	**2.8100e-003**	**0.2555**	**2.0800e-003**	**0.2575**	**0.0678**	**1.9100e-003**	**0.0697**		**279.5894**	**279.5894**	**0.0101**		**279.8426**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	1.9525	66.1649	13.6527	0.1682	3.6006	0.2737	3.8743	1.0367	0.2618	1.2985		17,620.7998	17,620.7998	0.7833		17,640.3825
Worker	9.6628	6.8582	96.7398	0.2117	19.2362	0.1563	19.3925	5.1013	0.1440	5.2452		21,053.0820	21,053.0820	0.7628		21,072.1510
Total	**11.6153**	**73.0230**	**110.3924**	**0.3799**	**22.8368**	**0.4300**	**23.2668**	**6.1379**	**0.4058**	**6.5438**		**38,673.8817**	**38,673.8817**	**1.5461**		**38,712.5335**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	1.9525	66.1649	13.6527	0.1682	3.6006	0.2737	3.8743	1.0367	0.2618	1.2985		17,620.7998	17,620.7998	0.7833		17,640.3825
Worker	9.6628	6.8582	96.7398	0.2117	19.2362	0.1563	19.3925	5.1013	0.1440	5.2452		21,053.0820	21,053.0820	0.7628		21,072.1510
Total	**11.6153**	**73.0230**	**110.3924**	**0.3799**	**22.8368**	**0.4300**	**23.2668**	**6.1379**	**0.4058**	**6.5438**		**38,673.8817**	**38,673.8817**	**1.5461**		**38,712.5335**

3.6 Paving (vehicle storage) - 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.9547					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3113**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0962	0.0683	0.9635	2.1100e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		209.6921	209.6921	7.6000e-003		209.8820
Total	**0.0962**	**0.0683**	**0.9635**	**2.1100e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**209.6921**	**209.6921**	**7.6000e-003**		**209.8820**

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.9547					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3113**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0962	0.0683	0.9635	2.1100e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		209.6921	209.6921	7.6000e-003		209.8820
Total	**0.0962**	**0.0683**	**0.9635**	**2.1100e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**209.6921**	**209.6921**	**7.6000e-003**		**209.8820**

3.7 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5500**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0962	0.0683	0.9635	2.1100e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		209.6921	209.6921	7.6000e-003		209.8820
Total	**0.0962**	**0.0683**	**0.9635**	**2.1100e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**209.6921**	**209.6921**	**7.6000e-003**		**209.8820**

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5500**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0962	0.0683	0.9635	2.1100e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		209.6921	209.6921	7.6000e-003		209.8820
Total	**0.0962**	**0.0683**	**0.9635**	**2.1100e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**209.6921**	**209.6921**	**7.6000e-003**		**209.8820**

3.8 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	22.9433					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	**23.1854**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	1.9313	1.3707	19.3351	0.0423	3.8447	0.0312	3.8759	1.0196	0.0288	1.0484		4,207.8205	4,207.8205	0.1525		4,211.6318
Total	**1.9313**	**1.3707**	**19.3351**	**0.0423**	**3.8447**	**0.0312**	**3.8759**	**1.0196**	**0.0288**	**1.0484**		**4,207.8205**	**4,207.8205**	**0.1525**		**4,211.6318**

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	22.9433					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	**23.1854**	**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**

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	1.9313	1.3707	19.3351	0.0423	3.8447	0.0312	3.8759	1.0196	0.0288	1.0484		4,207.8205	4,207.8205	0.1525		4,211.6318
Total	**1.9313**	**1.3707**	**19.3351**	**0.0423**	**3.8447**	**0.0312**	**3.8759**	**1.0196**	**0.0288**	**1.0484**		**4,207.8205**	**4,207.8205**	**0.1525**		**4,211.6318**

Copart Construction

Antelope Valley 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	2.45	1000sqft	0.06	2,448.00	0
User Defined Industrial	15,000.00	User Defined Unit	0.34	15,000.00	0
Other Asphalt Surfaces	7.18	Acre	7.18	312,760.80	0
Other Non-Asphalt Surfaces	61.07	Acre	61.07	2,660,209.20	0
Other Non-Asphalt Surfaces	11.74	Acre	11.74	511,394.40	0
Parking Lot	48.00	Space	1.93	84,071.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	499.71	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity is adjusted based on SCE renewable portfolio stanadards

Architectural Coating - parking area adjusted based on CaLEEMod 2016.3.2 Appendix A guidance for architectual coating, page 19.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	214,106.00	4,704.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	1,550.00	50.00
tblConstructionPhase	NumDays	155.00	60.00
tblConstructionPhase	NumDays	110.00	25.00
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	60.00	25.00
tblGrading	AcresOfGrading	150.00	387.50
tblLandUse	LandUseSquareFeet	2,450.00	2,448.00
tblLandUse	LandUseSquareFeet	0.00	15,000.00
tblLandUse	LandUseSquareFeet	19,200.00	84,071.00
tblLandUse	LotAcreage	0.00	0.34
tblLandUse	LotAcreage	0.43	1.93
tblProjectCharacteristics	CO2IntensityFactor	702.44	499.71
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

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	41.2099	109.3201	141.3622	0.4393	36.5923	4.3986	40.9909	19.9833	4.0467	24.0300	0.0000	44,355.3148	44,355.3148	3.0130	0.0000	44,430.6406
Maximum	**41.2099**	**109.3201**	**141.3622**	**0.4393**	**36.5923**	**4.3986**	**40.9909**	**19.9833**	**4.0467**	**24.0300**	**0.0000**	**44,355.3148**	**44,355.3148**	**3.0130**	**0.0000**	**44,430.6406**

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	41.2099	109.3201	141.3622	0.4393	26.8731	4.3986	29.3202	9.0596	4.0467	13.1062	0.0000	44,355.3148	44,355.3148	3.0130	0.0000	44,430.6405
Maximum	**41.2099**	**109.3201**	**141.3622**	**0.4393**	**26.8731**	**4.3986**	**29.3202**	**9.0596**	**4.0467**	**13.1062**	**0.0000**	**44,355.3148**	**44,355.3148**	**3.0130**	**0.0000**	**44,430.6405**

	ROG	**NOx**	**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**	**26.56**	**0.00**	**28.47**	**54.66**	**0.00**	**45.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/1/2020	4/24/2020	5	60	
2	Sewer Pipeline Work	Site Preparation	2/1/2020	3/6/2020	5	25	
3	Grading	Grading	4/25/2020	7/17/2020	5	60	
4	Building Construction	Building Construction	7/18/2020	9/25/2020	5	50	
5	Paving (vehicle storage)	Paving	7/18/2020	8/21/2020	5	25	
6	Paving	Paving	9/1/2020	9/28/2020	5	20	
7	Architectural Coating	Architectural Coating	9/1/2020	9/28/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 81.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,172; Non-Residential Outdoor: 8,724; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Sewer Pipeline Work	Rubber Tired Dozers	3	8.00	247	0.40
Sewer Pipeline Work	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving (vehicle storage)	Pavers	2	8.00	130	0.42
Paving (vehicle storage)	Paving Equipment	2	8.00	132	0.36
Paving (vehicle storage)	Rollers	2	8.00	80	0.38
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
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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Sewer Pipeline Work	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,506.00	588.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving (vehicle storage)	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	301.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1116	0.0867	0.9119	2.2300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		221.7810	221.7810	7.8000e-003		221.9760
Total	**0.1116**	**0.0867**	**0.9119**	**2.2300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**221.7810**	**221.7810**	**7.8000e-003**		**221.9760**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1116	0.0867	0.9119	2.2300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		221.7810	221.7810	7.8000e-003		221.9760
Total	**0.1116**	**0.0867**	**0.9119**	**2.2300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**221.7810**	**221.7810**	**7.8000e-003**		**221.9760**

3.3 Sewer Pipeline Work - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1116	0.0867	0.9119	2.2300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		221.7810	221.7810	7.8000e-003		221.9760
Total	**0.1116**	**0.0867**	**0.9119**	**2.2300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**221.7810**	**221.7810**	**7.8000e-003**		**221.9760**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

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	0.1116	0.0867	0.9119	2.2300e-003	0.2299	1.8700e-003	0.2318	0.0610	1.7200e-003	0.0627		221.7810	221.7810	7.8000e-003		221.9760
Total	**0.1116**	**0.0867**	**0.9119**	**2.2300e-003**	**0.2299**	**1.8700e-003**	**0.2318**	**0.0610**	**1.7200e-003**	**0.0627**		**221.7810**	**221.7810**	**7.8000e-003**		**221.9760**

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					12.8712	0.0000	12.8712	4.0498	0.0000	4.0498			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**12.8712**	**2.1739**	**15.0451**	**4.0498**	**2.0000**	**6.0498**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

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	0.1240	0.0963	1.0132	2.4800e-003	0.2555	2.0800e-003	0.2575	0.0678	1.9100e-003	0.0697		246.4233	246.4233	8.6700e-003		246.6400
Total	**0.1240**	**0.0963**	**1.0132**	**2.4800e-003**	**0.2555**	**2.0800e-003**	**0.2575**	**0.0678**	**1.9100e-003**	**0.0697**		**246.4233**	**246.4233**	**8.6700e-003**		**246.6400**

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					5.7920	0.0000	5.7920	1.8224	0.0000	1.8224			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**5.7920**	**2.1739**	**7.9659**	**1.8224**	**2.0000**	**3.8224**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

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	0.1240	0.0963	1.0132	2.4800e-003	0.2555	2.0800e-003	0.2575	0.0678	1.9100e-003	0.0697		246.4233	246.4233	8.6700e-003		246.6400
Total	**0.1240**	**0.0963**	**1.0132**	**2.4800e-003**	**0.2555**	**2.0800e-003**	**0.2575**	**0.0678**	**1.9100e-003**	**0.0697**		**246.4233**	**246.4233**	**8.6700e-003**		**246.6400**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	2.0564	65.6123	15.7293	0.1610	3.6006	0.2773	3.8779	1.0367	0.2652	1.3019		16,863.9061	16,863.9061	0.8647		16,885.5243
Worker	9.3387	7.2509	76.2926	0.1865	19.2362	0.1563	19.3925	5.1013	0.1440	5.2452		18,555.6757	18,555.6757	0.6527		18,571.9927
Total	**11.3951**	**72.8632**	**92.0219**	**0.3474**	**22.8368**	**0.4336**	**23.2703**	**6.1379**	**0.4092**	**6.5472**		**35,419.5818**	**35,419.5818**	**1.5174**		**35,457.5170**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	2.0564	65.6123	15.7293	0.1610	3.6006	0.2773	3.8779	1.0367	0.2652	1.3019		16,863.9061	16,863.9061	0.8647		16,885.5243
Worker	9.3387	7.2509	76.2926	0.1865	19.2362	0.1563	19.3925	5.1013	0.1440	5.2452		18,555.6757	18,555.6757	0.6527		18,571.9927
Total	**11.3951**	**72.8632**	**92.0219**	**0.3474**	**22.8368**	**0.4336**	**23.2703**	**6.1379**	**0.4092**	**6.5472**		**35,419.5818**	**35,419.5818**	**1.5174**		**35,457.5170**

3.6 Paving (vehicle storage) - 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.9547					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3113**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0930	0.0722	0.7599	1.8600e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		184.8175	184.8175	6.5000e-003		184.9800
Total	**0.0930**	**0.0722**	**0.7599**	**1.8600e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**184.8175**	**184.8175**	**6.5000e-003**		**184.9800**

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.9547					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3113**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0930	0.0722	0.7599	1.8600e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		184.8175	184.8175	6.5000e-003		184.9800
Total	**0.0930**	**0.0722**	**0.7599**	**1.8600e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**184.8175**	**184.8175**	**6.5000e-003**		**184.9800**

3.7 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5500**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0930	0.0722	0.7599	1.8600e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		184.8175	184.8175	6.5000e-003		184.9800
Total	**0.0930**	**0.0722**	**0.7599**	**1.8600e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**184.8175**	**184.8175**	**6.5000e-003**		**184.9800**

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5500**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

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	0.0930	0.0722	0.7599	1.8600e-003	0.1916	1.5600e-003	0.1932	0.0508	1.4300e-003	0.0522		184.8175	184.8175	6.5000e-003		184.9800
Total	**0.0930**	**0.0722**	**0.7599**	**1.8600e-003**	**0.1916**	**1.5600e-003**	**0.1932**	**0.0508**	**1.4300e-003**	**0.0522**		**184.8175**	**184.8175**	**6.5000e-003**		**184.9800**

3.8 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	22.9433					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	**23.1854**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	1.8665	1.4492	15.2484	0.0373	3.8447	0.0312	3.8759	1.0196	0.0288	1.0484		3,708.6709	3,708.6709	0.1305		3,711.9321
Total	**1.8665**	**1.4492**	**15.2484**	**0.0373**	**3.8447**	**0.0312**	**3.8759**	**1.0196**	**0.0288**	**1.0484**		**3,708.6709**	**3,708.6709**	**0.1305**		**3,711.9321**

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	22.9433					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	**23.1854**	**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**

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	1.8665	1.4492	15.2484	0.0373	3.8447	0.0312	3.8759	1.0196	0.0288	1.0484		3,708.6709	3,708.6709	0.1305		3,711.9321
Total	**1.8665**	**1.4492**	**15.2484**	**0.0373**	**3.8447**	**0.0312**	**3.8759**	**1.0196**	**0.0288**	**1.0484**		**3,708.6709**	**3,708.6709**	**0.1305**		**3,711.9321**

Copart Operation

Antelope Valley 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	2.45	1000sqft	0.06	2,448.00	0
User Defined Industrial	15,000.00	User Defined Unit	0.34	15,000.00	0
Other Asphalt Surfaces	7.18	Acre	7.18	312,760.80	0
Other Non-Asphalt Surfaces	61.07	Acre	61.07	2,660,209.20	0
Other Non-Asphalt Surfaces	11.74	Acre	11.74	511,394.40	0
Parking Lot	48.00	Space	1.93	84,071.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	499.71	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity is adjusted based on SCE renewable portfolio stanadards

Land Use - information from 2090201 Updated Copart Palmdale Plot Plan.
Operation run
Parking lot acreage calculated by difference of office building and parking lot area (1.99 ac.) and office building area (0.06 ac.) as noted in project description.

Vehicle Trips - trip rates are adjusted based on traffic study.
Truck trips are shown under Parking Lot land use; Passenger trips are shown under General Office land use.
Project would operate Monday-Friday 8-5.
Assume truck travel distance is 40 miles.

Energy Use - Orenco Effluent Sewer: 0.37 kW x 24 hr x 365 day = 3241.2 kWhr/yr; 3241.2 kW/yr / 15,000 industrial land use factor = 0.21608 kWhr/size/yr.

Operational Off-Road Equipment - PD section says the project would have 6 loaders operate onsite during operation

Fleet Mix - fleet mix adjusted for truck trips

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblEnergyUse	NT24E	0.00	0.22
tblFleetMix	HHD	0.04	0.48
tblFleetMix	LDA	0.62	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.15	0.00
tblFleetMix	LHD1	0.02	0.22
tblFleetMix	LHD2	5.0870e-003	0.07
tblFleetMix	MCY	7.4440e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	1.3180e-003	0.00
tblFleetMix	MHD	0.02	0.23
tblFleetMix	OBUS	2.1960e-003	0.00
tblFleetMix	SBUS	1.5520e-003	0.00
tblFleetMix	UBUS	1.8850e-003	0.00
tblLandUse	LandUseSquareFeet	2,450.00	2,448.00
tblLandUse	LandUseSquareFeet	0.00	15,000.00
tblLandUse	LandUseSquareFeet	19,200.00	84,071.00
tblLandUse	LotAcreage	0.00	0.34
tblLandUse	LotAcreage	0.43	1.93
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	499.71
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	40.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.60	40.00
tblVehicleTrips	CW_TL	14.70	40.00
tblVehicleTrips	PR_TP	0.00	100.00

tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	11.03	81.59
tblVehicleTrips	WD_TR	0.00	1.50

2.0 Emissions Summary

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	0.4561	1.2800e-003	0.1396	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	0.2704	0.2704	7.2000e-004	0.0000	0.2883
Energy	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	15.9853	15.9853	8.7000e-004	2.0000e-004	16.0669
Mobile	0.1467	2.8482	1.4215	0.0121	0.4784	0.0119	0.4903	0.1334	0.0114	0.1447	0.0000	1,140.6101	1,140.6101	0.0286	0.0000	1,141.3258
Offroad	0.1461	1.4787	1.7630	2.4200e-003		0.0872	0.0872		0.0802	0.0802	0.0000	212.9181	212.9181	0.0689	0.0000	214.6397
Waste						0.0000	0.0000		0.0000	0.0000	0.4628	0.0000	0.4628	0.0274	0.0000	1.1466
Water						0.0000	0.0000		0.0000	0.0000	0.1382	1.9573	2.0954	0.0143	3.6000e-004	2.5598
Total	**0.7490**	**4.3295**	**3.3251**	**0.0145**	**0.4784**	**0.0997**	**0.5781**	**0.1334**	**0.0922**	**0.2255**	**0.6010**	**1,371.7412**	**1,372.3421**	**0.1407**	**5.6000e-004**	**1,376.0271**
Category	tons/yr										MT/yr					
Energy	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	15.9853	15.9853	8.7000e-004	2.0000e-004	16.0669
Mobile	0.1467	2.8482	1.4215	0.0121	0.4784	0.0119	0.4903	0.1334	0.0114	0.1447	0.0000	1,140.6101	1,140.6101	0.0286	0.0000	1,141.3258
Offroad	0.1461	1.4787	1.7630	2.4200e-003		0.0872	0.0872		0.0802	0.0802	0.0000	212.9181	212.9181	0.0689	0.0000	214.6397
Waste						0.0000	0.0000		0.0000	0.0000	0.4628	0.0000	0.4628	0.0274	0.0000	1.1466
Water						0.0000	0.0000		0.0000	0.0000	0.1382	1.9573	2.0954	0.0143	3.6000e-004	2.5598
Total	**0.7490**	**4.3295**	**3.3251**	**0.0145**	**0.4784**	**0.0997**	**0.5781**	**0.1334**	**0.0922**	**0.2255**	**0.6010**	**1,371.7412**	**1,372.3421**	**0.1407**	**5.6000e-004**	**1,376.0271**

	ROG	NOx	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**

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	0.1467	2.8482	1.4215	0.0121	0.4784	0.0119	0.4903	0.1334	0.0114	0.1447	0.0000	1,140.6101	1,140.6101	0.0286	0.0000	1,141.3258
Unmitigated	0.1467	2.8482	1.4215	0.0121	0.4784	0.0119	0.4903	0.1334	0.0114	0.1447	0.0000	1,140.6101	1,140.6101	0.0286	0.0000	1,141.3258

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	199.90	0.00	0.00	394,197	394,197
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	72.00	0.00	0.00	748,800	748,800
User Defined Industrial	0.00	0.00	0.00		
Total	271.90	0.00	0.00	1,142,997	1,142,997

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	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	40.00	40.00	40.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Other Asphalt Surfaces	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Other Non-Asphalt Surfaces	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.223090	0.066115	0.234696	0.476099	0.000000	0.000000	0.000000	0.000000	0.000000
User Defined Industrial	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318

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	14.6254	14.6254	8.5000e-004	1.8000e-004	14.6989
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	14.6254	14.6254	8.5000e-004	1.8000e-004	14.6989
NaturalGas Mitigated	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3599	1.3599	3.0000e-005	2.0000e-005	1.3680
NaturalGas Unmitigated	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3599	1.3599	3.0000e-005	2.0000e-005	1.3680

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	25483.7	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3599	1.3599	3.0000e-005	2.0000e-005	1.3680
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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		**1.4000e-004**	**1.2500e-003**	**1.0500e-003**	**1.0000e-005**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**1.3599**	**1.3599**	**3.0000e-005**	**2.0000e-005**	**1.3680**

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	25483.7	1.4000e-004	1.2500e-003	1.0500e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3599	1.3599	3.0000e-005	2.0000e-005	1.3680
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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		**1.4000e-004**	**1.2500e-003**	**1.0500e-003**	**1.0000e-005**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**1.3599**	**1.3599**	**3.0000e-005**	**2.0000e-005**	**1.3680**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	31799.5	7.2078	4.2000e-004	9.0000e-005	7.2441
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	29424.8	6.6696	3.9000e-004	8.0000e-005	6.7031
User Defined Industrial	3300	0.7480	4.0000e-005	1.0000e-005	0.7518
Total		**14.6254**	**8.5000e-004**	**1.8000e-004**	**14.6989**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	31799.5	7.2078	4.2000e-004	9.0000e-005	7.2441
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	29424.8	6.6696	3.9000e-004	8.0000e-005	6.7031
User Defined Industrial	3300	0.7480	4.0000e-005	1.0000e-005	0.7518
Total		**14.6254**	**8.5000e-004**	**1.8000e-004**	**14.6989**

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	0.4561	1.2800e-003	0.1396	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	0.2704	0.2704	7.2000e-004	0.0000	0.2883
Unmitigated	0.4561	1.2800e-003	0.1396	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	0.2704	0.2704	7.2000e-004	0.0000	0.2883

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	0.1443					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2988					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0130	1.2800e-003	0.1396	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	0.2704	0.2704	7.2000e-004	0.0000	0.2883
Total	**0.4561**	**1.2800e-003**	**0.1396**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**5.0000e-004**	**5.0000e-004**	**0.0000**	**0.2704**	**0.2704**	**7.2000e-004**	**0.0000**	**0.2883**

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	0.1443					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2988					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0130	1.2800e-003	0.1396	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	0.2704	0.2704	7.2000e-004	0.0000	0.2883
Total	**0.4561**	**1.2800e-003**	**0.1396**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**5.0000e-004**	**5.0000e-004**	**0.0000**	**0.2704**	**0.2704**	**7.2000e-004**	**0.0000**	**0.2883**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.0954	0.0143	3.6000e-004	2.5598
Unmitigated	2.0954	0.0143	3.6000e-004	2.5598

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.435448 / 0.266887	2.0954	0.0143	3.6000e-004	2.5598
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.0954**	**0.0143**	**3.6000e-004**	**2.5598**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.435448 / 0.266887	2.0954	0.0143	3.6000e-004	2.5598
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.0954**	**0.0143**	**3.6000e-004**	**2.5598**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.4628	0.0274	0.0000	1.1466
Unmitigated	0.4628	0.0274	0.0000	1.1466

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	2.28	0.4628	0.0274	0.0000	1.1466
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.4628**	**0.0274**	**0.0000**	**1.1466**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	2.28	0.4628	0.0274	0.0000	1.1466
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**0.4628**	**0.0274**	**0.0000**	**1.1466**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	6	8.00	260	97	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/ Backhoes	0.1461	1.4787	1.7630	2.4200e-003		0.0872	0.0872		0.0802	0.0802	0.0000	212.9181	212.9181	0.0689	0.0000	214.6397
Total	**0.1461**	**1.4787**	**1.7630**	**2.4200e-003**		**0.0872**	**0.0872**		**0.0802**	**0.0802**	**0.0000**	**212.9181**	**212.9181**	**0.0689**	**0.0000**	**214.6397**

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

Copart Operation

Antelope Valley 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	2.45	1000sqft	0.06	2,448.00	0
User Defined Industrial	15,000.00	User Defined Unit	0.34	15,000.00	0
Other Asphalt Surfaces	7.18	Acre	7.18	312,760.80	0
Other Non-Asphalt Surfaces	61.07	Acre	61.07	2,660,209.20	0
Other Non-Asphalt Surfaces	11.74	Acre	11.74	511,394.40	0
Parking Lot	48.00	Space	1.93	84,071.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	499.71	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity is adjusted based on SCE renewable portfolio stanadards

Land Use - information from 2090201 Updated Copart Palmdale Plot Plan.
Operation run
Parking lot acreage calculated by difference of office building and parking lot area (1.99 ac.) and office building area (0.06 ac.) as noted in project description.

Vehicle Trips - trip rates are adjusted based on traffic study.
Truck trips are shown under Parking Lot land use; Passenger trips are shown under General Office land use.
Project would operate Monday-Friday 8-5.
Assume truck travel distance is 40 miles.

Energy Use - Orenco Effluent Sewer: 0.37 kW x 24 hr x 365 day = 3241.2 kWhr/yr; 3241.2 kW/yr / 15,000 industrial land use factor = 0.21608 kWhr/size/yr.

Operational Off-Road Equipment - PD section says the project would have 6 loaders operate onsite during operation

Fleet Mix - fleet mix adjusted for truck trips

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblEnergyUse	NT24E	0.00	0.22
tblFleetMix	HHD	0.04	0.48
tblFleetMix	LDA	0.62	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.15	0.00
tblFleetMix	LHD1	0.02	0.22
tblFleetMix	LHD2	5.0870e-003	0.07
tblFleetMix	MCY	7.4440e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	1.3180e-003	0.00
tblFleetMix	MHD	0.02	0.23
tblFleetMix	OBUS	2.1960e-003	0.00
tblFleetMix	SBUS	1.5520e-003	0.00
tblFleetMix	UBUS	1.8850e-003	0.00
tblLandUse	LandUseSquareFeet	2,450.00	2,448.00
tblLandUse	LandUseSquareFeet	0.00	15,000.00
tblLandUse	LandUseSquareFeet	19,200.00	84,071.00
tblLandUse	LotAcreage	0.00	0.34
tblLandUse	LotAcreage	0.43	1.93
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	499.71
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	40.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.60	40.00
tblVehicleTrips	CW_TL	14.70	40.00
tblVehicleTrips	PR_TP	0.00	100.00

tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	11.03	81.59
tblVehicleTrips	WD_TR	0.00	1.50

2.0 Emissions Summary

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	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Energy	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Mobile	1.2197	20.9846	11.4388	0.0946	3.7459	0.0917	3.8375	1.0421	0.0874	1.1295		9,831.6925	9,831.6925	0.2418		9,837.7369
Offroad	1.1236	11.3748	13.5614	0.0186		0.6707	0.6707		0.6170	0.6170		1,805.4004	1,805.4004	0.5839		1,819.9980
Total	**4.9167**	**32.3806**	**26.5568**	**0.1134**	**3.7459**	**0.7684**	**4.5142**	**1.0421**	**0.7104**	**1.7525**		**11,648.6182**	**11,648.6182**	**0.8346**	**1.5000e-004**	**11,669.5289**

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	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Energy	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Mobile	1.2197	20.9846	11.4388	0.0946	3.7459	0.0917	3.8375	1.0421	0.0874	1.1295		9,831.6925	9,831.6925	0.2418		9,837.7369
Offroad	1.1236	11.3748	13.5614	0.0186		0.6707	0.6707		0.6170	0.6170		1,805.4004	1,805.4004	0.5839		1,819.9980
Total	**4.9167**	**32.3806**	**26.5568**	**0.1134**	**3.7459**	**0.7684**	**4.5142**	**1.0421**	**0.7104**	**1.7525**		**11,648.6182**	**11,648.6182**	**0.8346**	**1.5000e-004**	**11,669.5289**

	ROG	NOx	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**

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	1.2197	20.9846	11.4388	0.0946	3.7459	0.0917	3.8375	1.0421	0.0874	1.1295		9,831.6925	9,831.6925	0.2418		9,837.7369
Unmitigated	1.2197	20.9846	11.4388	0.0946	3.7459	0.0917	3.8375	1.0421	0.0874	1.1295		9,831.6925	9,831.6925	0.2418		9,837.7369

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	199.90	0.00	0.00	394,197	394,197
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	72.00	0.00	0.00	748,800	748,800
User Defined Industrial	0.00	0.00	0.00		
Total	271.90	0.00	0.00	1,142,997	1,142,997

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	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	40.00	40.00	40.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Other Asphalt Surfaces	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Other Non-Asphalt Surfaces	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.223090	0.066115	0.234696	0.476099	0.000000	0.000000	0.000000	0.000000	0.000000
User Defined Industrial	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318

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	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
NaturalGas Unmitigated	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627

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	69.8183	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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		**7.5000e-004**	**6.8400e-003**	**5.7500e-003**	**4.0000e-005**		**5.2000e-004**	**5.2000e-004**		**5.2000e-004**	**5.2000e-004**		**8.2139**	**8.2139**	**1.6000e-004**	**1.5000e-004**	**8.2627**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0698183	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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		**7.5000e-004**	**6.8400e-003**	**5.7500e-003**	**4.0000e-005**		**5.2000e-004**	**5.2000e-004**		**5.2000e-004**	**5.2000e-004**		**8.2139**	**8.2139**	**1.6000e-004**	**1.5000e-004**	**8.2627**

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	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Unmitigated	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312

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	0.7905					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6373					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.1449	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Total	**2.5727**	**0.0142**	**1.5508**	**1.2000e-004**		**5.5500e-003**	**5.5500e-003**		**5.5500e-003**	**5.5500e-003**		**3.3113**	**3.3113**	**8.7900e-003**		**3.5312**

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	0.7905					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6373					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.1449	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Total	**2.5727**	**0.0142**	**1.5508**	**1.2000e-004**		**5.5500e-003**	**5.5500e-003**		**5.5500e-003**	**5.5500e-003**		**3.3113**	**3.3113**	**8.7900e-003**		**3.5312**

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
Tractors/Loaders/Backhoes	6	8.00	260	97	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/ Backhoes	1.1236	11.3748	13.5614	0.0186		0.6707	0.6707		0.6170	0.6170		1,805.4004	1,805.4004	0.5839		1,819.9980
Total	**1.1236**	**11.3748**	**13.5614**	**0.0186**		**0.6707**	**0.6707**		**0.6170**	**0.6170**		**1,805.4004**	**1,805.4004**	**0.5839**		**1,819.9980**

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

Copart Construction

Antelope Valley 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	2.45	1000sqft	0.06	2,448.00	0
User Defined Industrial	15,000.00	User Defined Unit	0.34	15,000.00	0
Other Asphalt Surfaces	7.18	Acre	7.18	312,760.80	0
Other Non-Asphalt Surfaces	61.07	Acre	61.07	2,660,209.20	0
Other Non-Asphalt Surfaces	11.74	Acre	11.74	511,394.40	0
Parking Lot	48.00	Space	1.93	84,071.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	499.71	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity is adjusted based on SCE renewable portfolio stanadards

Architectural Coating - parking area adjusted based on CaLEEMod 2016.3.2 Appendix A guidance for architectual coating, page 19.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	214,106.00	4,704.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	20.00
tblConstructionPhase	NumDays	1,550.00	50.00
tblConstructionPhase	NumDays	155.00	60.00
tblConstructionPhase	NumDays	110.00	25.00
tblConstructionPhase	NumDays	110.00	20.00

tblConstructionPhase	NumDays	60.00	25.00
tblGrading	AcresOfGrading	150.00	387.50
tblLandUse	LandUseSquareFeet	2,450.00	2,448.00
tblLandUse	LandUseSquareFeet	0.00	15,000.00
tblLandUse	LandUseSquareFeet	19,200.00	84,071.00
tblLandUse	LotAcreage	0.00	0.34
tblLandUse	LotAcreage	0.43	1.93
tblProjectCharacteristics	CO2IntensityFactor	702.44	499.71
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Energy	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Mobile	0.0543	0.2727	0.6255	1.9700e-003	0.1588	1.6400e-003	0.1604	0.0425	1.5300e-003	0.0440		199.7448	199.7448	8.9900e-003		199.9696
Total	**2.6278**	**0.2938**	**2.1821**	**2.1300e-003**	**0.1588**	**7.7100e-003**	**0.1665**	**0.0425**	**7.6000e-003**	**0.0501**		**211.2700**	**211.2700**	**0.0179**	**1.5000e-004**	**211.7635**

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	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Energy	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Mobile	0.0543	0.2727	0.6255	1.9700e-003	0.1588	1.6400e-003	0.1604	0.0425	1.5300e-003	0.0440		199.7448	199.7448	8.9900e-003		199.9696
Total	**2.6278**	**0.2938**	**2.1821**	**2.1300e-003**	**0.1588**	**7.7100e-003**	**0.1665**	**0.0425**	**7.6000e-003**	**0.0501**		**211.2700**	**211.2700**	**0.0179**	**1.5000e-004**	**211.7635**

	ROG	NOx	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**

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	0.0543	0.2727	0.6255	1.9700e-003	0.1588	1.6400e-003	0.1604	0.0425	1.5300e-003	0.0440		199.7448	199.7448	8.9900e-003		199.9696
Unmitigated	0.0543	0.2727	0.6255	1.9700e-003	0.1588	1.6400e-003	0.1604	0.0425	1.5300e-003	0.0440		199.7448	199.7448	8.9900e-003		199.9696

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	27.02	6.03	2.57	56,682	56,682
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
Total	27.02	6.03	2.57	56,682	56,682

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	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Other Asphalt Surfaces	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Other Non-Asphalt Surfaces	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
Parking Lot	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318
User Defined Industrial	0.615376	0.037728	0.150170	0.105389	0.017165	0.005087	0.018058	0.036632	0.002196	0.001885	0.007444	0.001552	0.001318

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	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
NaturalGas Unmitigated	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627

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	69.8183	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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		**7.5000e-004**	**6.8400e-003**	**5.7500e-003**	**4.0000e-005**		**5.2000e-004**	**5.2000e-004**		**5.2000e-004**	**5.2000e-004**		**8.2139**	**8.2139**	**1.6000e-004**	**1.5000e-004**	**8.2627**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0698183	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2139	8.2139	1.6000e-004	1.5000e-004	8.2627
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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		**7.5000e-004**	**6.8400e-003**	**5.7500e-003**	**4.0000e-005**		**5.2000e-004**	**5.2000e-004**		**5.2000e-004**	**5.2000e-004**		**8.2139**	**8.2139**	**1.6000e-004**	**1.5000e-004**	**8.2627**

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	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Unmitigated	2.5727	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312

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	0.7905					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6373					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.1449	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Total	**2.5727**	**0.0142**	**1.5508**	**1.2000e-004**		**5.5500e-003**	**5.5500e-003**		**5.5500e-003**	**5.5500e-003**		**3.3113**	**3.3113**	**8.7900e-003**		**3.5312**

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	0.7905					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6373					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.1449	0.0142	1.5508	1.2000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003		3.3113	3.3113	8.7900e-003		3.5312
Total	**2.5727**	**0.0142**	**1.5508**	**1.2000e-004**		**5.5500e-003**	**5.5500e-003**		**5.5500e-003**	**5.5500e-003**		**3.3113**	**3.3113**	**8.7900e-003**		**3.5312**

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

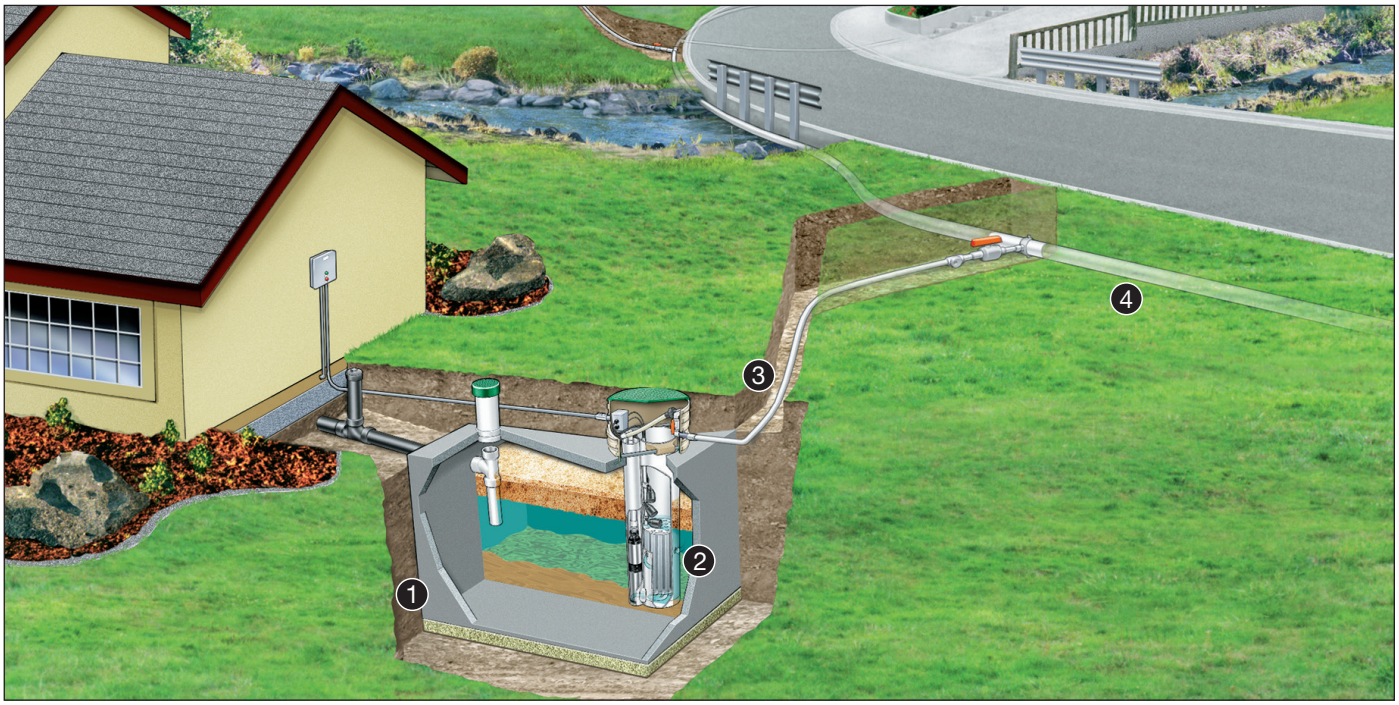
Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Orenco Effluent Sewer Collection



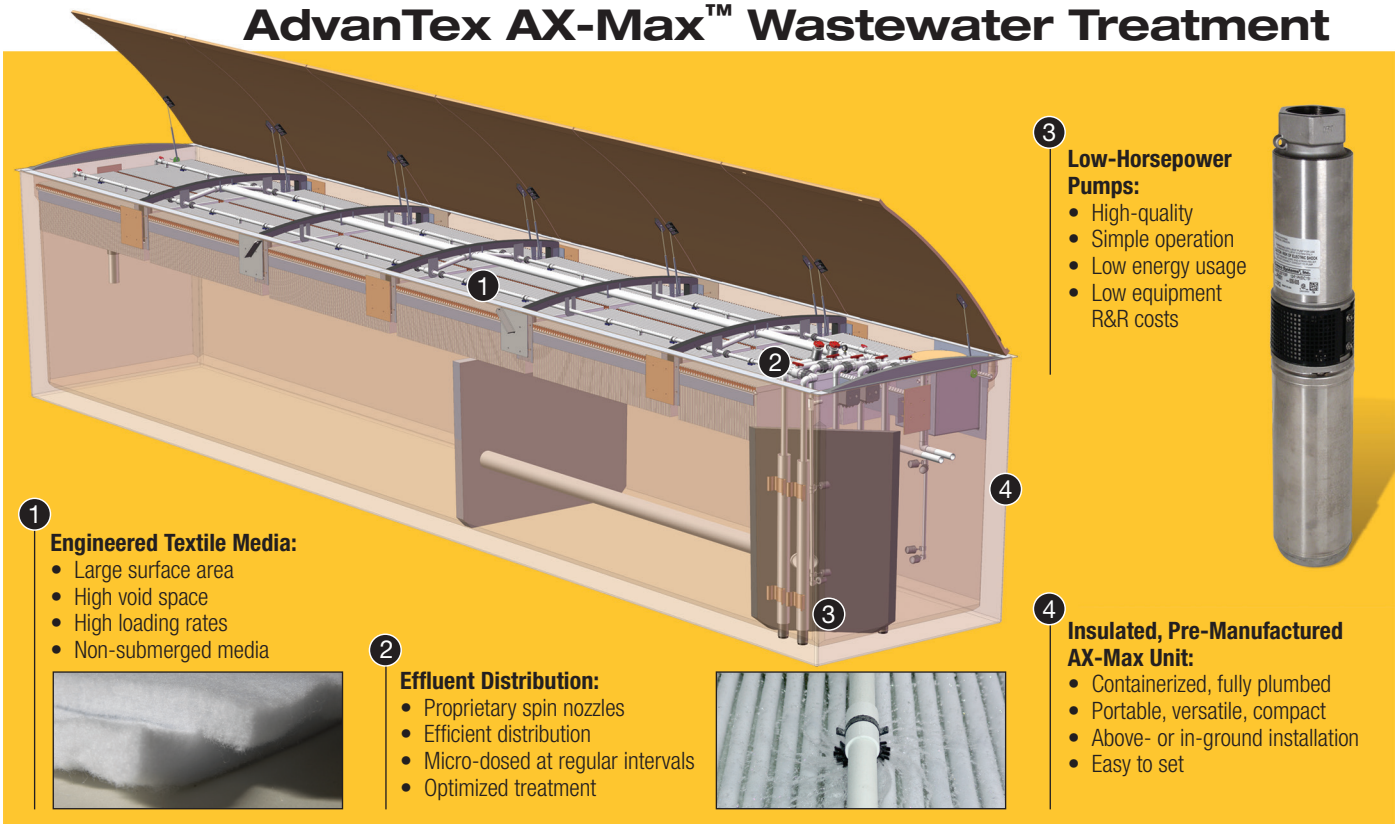
1. Watertight tanks provide primary treatment, so only liquids are conveyed to the treatment plant. With proper use, tanks can go 8-12 years between pump-outs.

2. Orenco's Biotube® Pump Vault filters out solids, and our lightweight, non-corroding pumps last more than 25 years.

3. One-inch (25-mm) diameter service lines can be easily installed with a trencher or directionally bored.

4. Small-diameter main lines follow the contour of the ground, saving excavation costs. No expensive manholes or lift stations are required.

AdvanTex AX-Max™ Wastewater Treatment



1. **Engineered Textile Media:**
   - Large surface area
   - High void space
   - High loading rates
   - Non-submerged media

2. **Effluent Distribution:**
   - Proprietary spin nozzles
   - Efficient distribution
   - Micro-dosed at regular intervals
   - Optimized treatment

3. **Low-Horsepower Pumps:**
   - High-quality
   - Simple operation
   - Low energy usage
   - Low equipment R&R costs

4. **Insulated, Pre-Manufactured AX-Max Unit:**
   - Containerized, fully plumbed
   - Portable, versatile, compact
   - Above- or in-ground installation
   - Easy to set

Continued on next page

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