

APPENDIX A: CALEEMOD RESULTS

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Annual

Airport Boulevard Sewer Project
Riverside-Salton Sea County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	4.50	1000sqft	0.10	4,500.00	0
Other Asphalt Surfaces	123.00	1000sqft	2.82	123,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	15			Operational Year	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use -

Construction Phase - Per project schedule.

Off-road Equipment - CalEEMod default with additional cement/mortar mixer.

Off-road Equipment - Anticipated fleet per engineers.

Off-road Equipment - Anticipated fleet per engineers

Trips and VMT - Import/export captured in hauling for grading and paving phase. Building construction includes hauling for septic abandonment.

Grading - Grading at lift station site.

Vehicle Trips - No additional operational trips.

Area Coating - No additional - repave existing road.

Energy Use - Per similar project estimates.

Water And Wastewater - No additional water consumption.

Solid Waste - No additional solid waste generation.

Construction Off-road Equipment Mitigation - Basic dust measures.

Stationary Sources - Emergency Generators and Fire Pumps -

Landscape Equipment - No net change in landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	7380	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	220.00	186.00
tblConstructionPhase	NumDays	6.00	520.00
tblConstructionPhase	NumDays	10.00	520.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	NT24E	36.52	7.20

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tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24NG	3.25	0.00
tblGrading	AcresOfGrading	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	4.23	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CO_EF	5.97	5.97
tblStationaryGeneratorsPumpsEF	NOX_EF	5.32	5.32
tblStationaryGeneratorsPumpsEF	PM10_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	10.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	168.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00

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tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	1,040,625.00	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	1.1320	1.1320
2	4-3-2022	7-2-2022	1.1446	1.1446
3	7-3-2022	10-2-2022	1.1572	1.1572
4	10-3-2022	1-2-2023	1.1551	1.1551
5	1-3-2023	4-2-2023	1.0397	1.0397
6	4-3-2023	7-2-2023	1.5497	1.5497
7	7-3-2023	9-30-2023	1.6004	1.6004
		Highest	1.6004	1.6004

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	0.0256	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	18.6777	18.6777	4.3000e-004	9.0000e-005	18.7146
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.3800e-003	7.1900e-003	8.0700e-003	1.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	0.6397	0.6397	9.0000e-005	0.0000	0.6420
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0270	7.2000e-003	9.2400e-003	1.0000e-005	0.0000	8.1000e-004	8.1000e-004	0.0000	8.1000e-004	8.1000e-004	0.0000	19.3197	19.3197	5.3000e-004	9.0000e-005	19.3590

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0256	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	18.6777	18.6777	4.3000e-004	9.0000e-005	18.7146
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.3800e-003	7.1900e-003	8.0700e-003	1.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	0.6397	0.6397	9.0000e-005	0.0000	0.6420
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0270	7.2000e-003	9.2400e-003	1.0000e-005	0.0000	8.1000e-004	8.1000e-004	0.0000	8.1000e-004	8.1000e-004	0.0000	19.3197	19.3197	5.3000e-004	9.0000e-005	19.3590

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	12/29/2023	5	520	
2	Paving	Paving	1/3/2022	12/29/2023	5	520	
3	Building Construction	Building Construction	4/14/2023	12/29/2023	5	186	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	2	8.00	158	0.38
Grading	Forklifts	2	8.00	89	0.20
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	2	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	12	30.00	0.00	2.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	15.00	1.00	2.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	21.00	1.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5900e-003	0.0000	1.5900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2710	2.6139	3.2769	5.5300e-003		0.1426	0.1426		0.1312	0.1312	0.0000	485.6649	485.6649	0.1571	0.0000	489.5917
Total	0.2710	2.6139	3.2769	5.5300e-003	1.5900e-003	0.1426	0.1442	1.7000e-004	0.1312	0.1314	0.0000	485.6649	485.6649	0.1571	0.0000	489.5917

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3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.0000e-004	1.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0355	0.0355	0.0000	0.0000	0.0355
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	0.0156	0.0101	0.1124	3.7000e-004	0.0426	2.5000e-004	0.0428	0.0113	2.3000e-004	0.0115	0.0000	33.1778	33.1778	7.2000e-004	0.0000	33.1959
Total	0.0156	0.0102	0.1124	3.7000e-004	0.0426	2.5000e-004	0.0428	0.0113	2.3000e-004	0.0115	0.0000	33.2133	33.2133	7.2000e-004	0.0000	33.2314

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					7.2000e-004	0.0000	7.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2710	2.6139	3.2769	5.5300e-003		0.1426	0.1426		0.1312	0.1312	0.0000	485.6643	485.6643	0.1571	0.0000	489.5912
Total	0.2710	2.6139	3.2769	5.5300e-003	7.2000e-004	0.1426	0.1433	8.0000e-005	0.1312	0.1313	0.0000	485.6643	485.6643	0.1571	0.0000	489.5912

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3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0355	0.0355	0.0000	0.0000	0.0355
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	0.0156	0.0101	0.1124	3.7000e-004	0.0407	2.5000e-004	0.0410	0.0109	2.3000e-004	0.0111	0.0000	33.1778	33.1778	7.2000e-004	0.0000	33.1959
Total	0.0156	0.0102	0.1124	3.7000e-004	0.0407	2.5000e-004	0.0410	0.0109	2.3000e-004	0.0111	0.0000	33.2133	33.2133	7.2000e-004	0.0000	33.2314

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5900e-003	0.0000	1.5900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2521	2.3857	3.2688	5.5400e-003		0.1246	0.1246		0.1146	0.1146	0.0000	486.1420	486.1420	0.1572	0.0000	490.0727
Total	0.2521	2.3857	3.2688	5.5400e-003	1.5900e-003	0.1246	0.1262	1.7000e-004	0.1146	0.1148	0.0000	486.1420	486.1420	0.1572	0.0000	490.0727

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3.2 Grading - 2023

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	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0343	0.0343	0.0000	0.0000	0.0343
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	0.0146	9.0800e-003	0.1036	3.5000e-004	0.0426	2.4000e-004	0.0428	0.0113	2.2000e-004	0.0115	0.0000	31.9186	31.9186	6.5000e-004	0.0000	31.9348
Total	0.0146	9.1400e-003	0.1036	3.5000e-004	0.0426	2.4000e-004	0.0428	0.0113	2.2000e-004	0.0115	0.0000	31.9529	31.9529	6.5000e-004	0.0000	31.9692

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					7.2000e-004	0.0000	7.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2521	2.3857	3.2688	5.5400e-003		0.1246	0.1246		0.1146	0.1146	0.0000	486.1414	486.1414	0.1572	0.0000	490.0721
Total	0.2521	2.3857	3.2688	5.5400e-003	7.2000e-004	0.1246	0.1253	8.0000e-005	0.1146	0.1147	0.0000	486.1414	486.1414	0.1572	0.0000	490.0721

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3.2 Grading - 2023

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	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0343	0.0343	0.0000	0.0000	0.0343
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	0.0146	9.0800e-003	0.1036	3.5000e-004	0.0407	2.4000e-004	0.0410	0.0109	2.2000e-004	0.0111	0.0000	31.9186	31.9186	6.5000e-004	0.0000	31.9348
Total	0.0146	9.1400e-003	0.1036	3.5000e-004	0.0407	2.4000e-004	0.0410	0.0109	2.2000e-004	0.0111	0.0000	31.9529	31.9529	6.5000e-004	0.0000	31.9692

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1532	1.4869	1.8917	2.9400e-003		0.0763	0.0763		0.0705	0.0705	0.0000	254.1094	254.1094	0.0796	0.0000	256.0985
Paving	1.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1550	1.4869	1.8917	2.9400e-003		0.0763	0.0763		0.0705	0.0705	0.0000	254.1094	254.1094	0.0796	0.0000	256.0985

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3.3 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.0000e-004	1.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0355	0.0355	0.0000	0.0000	0.0355
Vendor	2.8000e-004	0.0111	2.1000e-003	3.0000e-005	7.4000e-004	2.0000e-005	7.6000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	2.9162	2.9162	2.3000e-004	0.0000	2.9218
Worker	7.7900e-003	5.0400e-003	0.0562	1.8000e-004	0.0213	1.2000e-004	0.0214	5.6500e-003	1.1000e-004	5.7700e-003	0.0000	16.5889	16.5889	3.6000e-004	0.0000	16.5979
Total	8.0700e-003	0.0162	0.0583	2.1000e-004	0.0221	1.4000e-004	0.0222	5.8600e-003	1.3000e-004	6.0000e-003	0.0000	19.5406	19.5406	5.9000e-004	0.0000	19.5553

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	0.1532	1.4869	1.8917	2.9400e-003		0.0763	0.0763		0.0705	0.0705	0.0000	254.1091	254.1091	0.0796	0.0000	256.0982
Paving	1.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1550	1.4869	1.8917	2.9400e-003		0.0763	0.0763		0.0705	0.0705	0.0000	254.1091	254.1091	0.0796	0.0000	256.0982

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3.3 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0355	0.0355	0.0000	0.0000	0.0355
Vendor	2.8000e-004	0.0111	2.1000e-003	3.0000e-005	7.1000e-004	2.0000e-005	7.3000e-004	2.1000e-004	2.0000e-005	2.2000e-004	0.0000	2.9162	2.9162	2.3000e-004	0.0000	2.9218
Worker	7.7900e-003	5.0400e-003	0.0562	1.8000e-004	0.0204	1.2000e-004	0.0205	5.4300e-003	1.1000e-004	5.5400e-003	0.0000	16.5889	16.5889	3.6000e-004	0.0000	16.5979
Total	8.0700e-003	0.0162	0.0583	2.1000e-004	0.0211	1.4000e-004	0.0212	5.6400e-003	1.3000e-004	5.7600e-003	0.0000	19.5406	19.5406	5.9000e-004	0.0000	19.5553

3.3 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1443	1.3755	1.8914	2.9400e-003		0.0684	0.0684		0.0632	0.0632	0.0000	254.1450	254.1450	0.0796	0.0000	256.1344
Paving	1.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1461	1.3755	1.8914	2.9400e-003		0.0684	0.0684		0.0632	0.0632	0.0000	254.1450	254.1450	0.0796	0.0000	256.1344

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3.3 Paving - 2023

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	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0343	0.0343	0.0000	0.0000	0.0343
Vendor	2.1000e-004	8.4000e-003	1.8300e-003	3.0000e-005	7.4000e-004	1.0000e-005	7.5000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	2.8380	2.8380	1.7000e-004	0.0000	2.8423
Worker	7.3200e-003	4.5400e-003	0.0518	1.8000e-004	0.0213	1.2000e-004	0.0214	5.6500e-003	1.1000e-004	5.7600e-003	0.0000	15.9593	15.9593	3.2000e-004	0.0000	15.9674
Total	7.5300e-003	0.0130	0.0537	2.1000e-004	0.0221	1.3000e-004	0.0222	5.8600e-003	1.2000e-004	5.9800e-003	0.0000	18.8316	18.8316	4.9000e-004	0.0000	18.8440

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	0.1443	1.3755	1.8914	2.9400e-003		0.0684	0.0684		0.0632	0.0632	0.0000	254.1447	254.1447	0.0796	0.0000	256.1341
Paving	1.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1461	1.3755	1.8914	2.9400e-003		0.0684	0.0684		0.0632	0.0632	0.0000	254.1447	254.1447	0.0796	0.0000	256.1341

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3.3 Paving - 2023

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	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0343	0.0343	0.0000	0.0000	0.0343
Vendor	2.1000e-004	8.4000e-003	1.8300e-003	3.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	2.8380	2.8380	1.7000e-004	0.0000	2.8423
Worker	7.3200e-003	4.5400e-003	0.0518	1.8000e-004	0.0204	1.2000e-004	0.0205	5.4300e-003	1.1000e-004	5.5400e-003	0.0000	15.9593	15.9593	3.2000e-004	0.0000	15.9674
Total	7.5300e-003	0.0130	0.0537	2.1000e-004	0.0211	1.3000e-004	0.0212	5.6400e-003	1.2000e-004	5.7500e-003	0.0000	18.8316	18.8316	4.9000e-004	0.0000	18.8440

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1642	1.2970	1.3470	2.3900e-003		0.0582	0.0582		0.0559	0.0559	0.0000	196.8921	196.8921	0.0369	0.0000	197.8151
Total	0.1642	1.2970	1.3470	2.3900e-003		0.0582	0.0582		0.0559	0.0559	0.0000	196.8921	196.8921	0.0369	0.0000	197.8151

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3.4 Building Construction - 2023

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	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0343	0.0343	0.0000	0.0000	0.0343
Vendor	3.2000e-003	0.1261	0.0275	4.5000e-004	0.0111	1.2000e-004	0.0112	3.2000e-003	1.1000e-004	3.3100e-003	0.0000	42.6354	42.6354	2.5900e-003	0.0000	42.7001
Worker	0.0189	0.0117	0.1335	4.5000e-004	0.0548	3.1000e-004	0.0551	0.0146	2.9000e-004	0.0149	0.0000	41.1014	41.1014	8.3000e-004	0.0000	41.1222
Total	0.0221	0.1379	0.1610	9.0000e-004	0.0659	4.3000e-004	0.0664	0.0178	4.0000e-004	0.0182	0.0000	83.7711	83.7711	3.4200e-003	0.0000	83.8567

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	0.1642	1.2970	1.3470	2.3900e-003		0.0582	0.0582		0.0559	0.0559	0.0000	196.8919	196.8919	0.0369	0.0000	197.8148
Total	0.1642	1.2970	1.3470	2.3900e-003		0.0582	0.0582		0.0559	0.0559	0.0000	196.8919	196.8919	0.0369	0.0000	197.8148

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3.4 Building Construction - 2023

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	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0343	0.0343	0.0000	0.0000	0.0343
Vendor	3.2000e-003	0.1261	0.0275	4.5000e-004	0.0107	1.2000e-004	0.0108	3.1000e-003	1.1000e-004	3.2200e-003	0.0000	42.6354	42.6354	2.5900e-003	0.0000	42.7001
Worker	0.0189	0.0117	0.1335	4.5000e-004	0.0525	3.1000e-004	0.0528	0.0140	2.9000e-004	0.0143	0.0000	41.1014	41.1014	8.3000e-004	0.0000	41.1222
Total	0.0221	0.1379	0.1610	9.0000e-004	0.0632	4.3000e-004	0.0636	0.0171	4.0000e-004	0.0175	0.0000	83.7711	83.7711	3.4200e-003	0.0000	83.8567

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	13.80	6.20	6.20	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	13.80	6.20	6.20	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Refrigerated Warehouse-No Rail	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	32400	18.6777	4.3000e-004	9.0000e-005	18.7146
Total		18.6777	4.3000e-004	9.0000e-005	18.7146

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	32400	18.6777	4.3000e-004	9.0000e-005	18.7146
Total		18.6777	4.3000e-004	9.0000e-005	18.7146

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0256	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003
Unmitigated	0.0256	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003
Total	0.0256	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003
Total	0.0256	1.0000e-005	1.1700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2800e-003	2.2800e-003	1.0000e-005	0.0000	2.4300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Airport Boulevard Sewer Project - Riverside-Salton Sea County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	168	10	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

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					
Emergency Generator - Diesel (0 - 11 HP)	1.3800e-003	7.1900e-003	8.0700e-003	1.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	0.6397	0.6397	9.0000e-005	0.0000	0.6420
Total	1.3800e-003	7.1900e-003	8.0700e-003	1.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	0.6397	0.6397	9.0000e-005	0.0000	0.6420

11.0 Vegetation

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

Airport Boulevard Sewer Project
Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	4.50	1000sqft	0.10	4,500.00	0
Other Asphalt Surfaces	123.00	1000sqft	2.82	123,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	15			Operational Year	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MW hr)	1270.9	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

Project Characteristics -

Land Use -

Construction Phase - Per project schedule.

Off-road Equipment - CalEEMod default with additional cement/mortar mixer.

Off-road Equipment - Anticipated fleet per engineers.

Off-road Equipment - Anticipated fleet per engineers

Trips and VMT - Import/export captured in hauling for grading and paving phase. Building construction includes hauling for septic abandonment.

Grading - Grading at lift station site.

Vehicle Trips - No additional operational trips.

Area Coating - No additional - repave existing road.

Energy Use - Per similar project estimates.

Water And Wastewater - No additional water consumption.

Solid Waste - No additional solid waste generation.

Construction Off-road Equipment Mitigation - Basic dust measures.

Stationary Sources - Emergency Generators and Fire Pumps -

Landscape Equipment - No net change in landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	7380	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	220.00	186.00
tblConstructionPhase	NumDays	6.00	520.00
tblConstructionPhase	NumDays	10.00	520.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	NT24E	36.52	7.20

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24NG	3.25	0.00
tblGrading	AcresOfGrading	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	4.23	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CO_EF	5.97	5.97
tblStationaryGeneratorsPumpsEF	NOX_EF	5.32	5.32
tblStationaryGeneratorsPumpsEF	PM10_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	10.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	168.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	1,040,625.00	0.00

2.0 Emissions Summary

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1411	1.2000e-004	0.0130	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005	0.0000	0.0297

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1411	1.2000e-004	0.0130	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005	0.0000	0.0297

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	12/29/2023	5	520	
2	Paving	Paving	1/3/2022	12/29/2023	5	520	
3	Building Construction	Building Construction	4/14/2023	12/29/2023	5	186	

Acres of Grading (Site Preparation Phase): 0

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

Acres of Grading (Grading Phase): 3**Acres of Paving: 2.82****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	2	8.00	158	0.38
Grading	Forklifts	2	8.00	89	0.20
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	2	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	12	30.00	0.00	2.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	15.00	1.00	2.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	21.00	1.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1200e-003	0.0000	6.1200e-003	6.6000e-004	0.0000	6.6000e-004			0.0000			0.0000
Off-Road	2.0847	20.1070	25.2071	0.0425		1.0969	1.0969		1.0092	1.0092		4,118.1069	4,118.1069	1.3319		4,151.4039
Total	2.0847	20.1070	25.2071	0.0425	6.1200e-003	1.0969	1.1031	6.6000e-004	1.0092	1.0098		4,118.1069	4,118.1069	1.3319		4,151.4039

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.3039	0.3039	2.0000e-005		0.3044
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	0.1324	0.0725	1.0168	3.0700e-003	0.3331	1.9100e-003	0.3350	0.0883	1.7600e-003	0.0901		305.7037	305.7037	6.8000e-003		305.8737
Total	0.1324	0.0732	1.0169	3.0700e-003	0.3332	1.9100e-003	0.3351	0.0884	1.7600e-003	0.0901		306.0076	306.0076	6.8200e-003		306.1780

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7500e-003	0.0000	2.7500e-003	3.0000e-004	0.0000	3.0000e-004			0.0000			0.0000
Off-Road	2.0847	20.1070	25.2071	0.0425		1.0969	1.0969		1.0092	1.0092	0.0000	4,118.1069	4,118.1069	1.3319		4,151.4039
Total	2.0847	20.1070	25.2071	0.0425	2.7500e-003	1.0969	1.0997	3.0000e-004	1.0092	1.0095	0.0000	4,118.1069	4,118.1069	1.3319		4,151.4039

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.3039	0.3039	2.0000e-005		0.3044
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	0.1324	0.0725	1.0168	3.0700e-003	0.3186	1.9100e-003	0.3205	0.0848	1.7600e-003	0.0865		305.7037	305.7037	6.8000e-003		305.8737
Total	0.1324	0.0732	1.0169	3.0700e-003	0.3187	1.9100e-003	0.3206	0.0848	1.7600e-003	0.0866		306.0076	306.0076	6.8200e-003		306.1780

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1200e-003	0.0000	6.1200e-003	6.6000e-004	0.0000	6.6000e-004			0.0000			0.0000
Off-Road	1.9389	18.3517	25.1445	0.0426		0.9586	0.9586		0.8819	0.8819		4,122.1527	4,122.1527	1.3332		4,155,4823
Total	1.9389	18.3517	25.1445	0.0426	6.1200e-003	0.9586	0.9647	6.6000e-004	0.8819	0.8825		4,122.1527	4,122.1527	1.3332		4,155,4823

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.2 Grading - 2023

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	1.0000e-005	4.8000e-004	9.0000e-005	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2939	0.2939	1.0000e-005		0.2942
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	0.1241	0.0654	0.9383	2.9500e-003	0.3331	1.8700e-003	0.3349	0.0883	1.7200e-003	0.0901		294.0863	294.0863	6.1000e-003		294.2388
Total	0.1241	0.0658	0.9384	2.9500e-003	0.3332	1.8700e-003	0.3350	0.0884	1.7200e-003	0.0901		294.3801	294.3801	6.1100e-003		294.5330

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7500e-003	0.0000	2.7500e-003	3.0000e-004	0.0000	3.0000e-004			0.0000			0.0000
Off-Road	1.9389	18.3517	25.1445	0.0426		0.9586	0.9586		0.8819	0.8819	0.0000	4,122.1527	4,122.1527	1.3332		4,155,4823
Total	1.9389	18.3517	25.1445	0.0426	2.7500e-003	0.9586	0.9613	3.0000e-004	0.8819	0.8822	0.0000	4,122.1527	4,122.1527	1.3332		4,155,4823

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.2 Grading - 2023

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	1.0000e-005	4.8000e-004	9.0000e-005	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005		0.2939	0.2939	1.0000e-005		0.2942
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	0.1241	0.0654	0.9383	2.9500e-003	0.3186	1.8700e-003	0.3204	0.0848	1.7200e-003	0.0865		294.0863	294.0863	6.1000e-003		294.2388
Total	0.1241	0.0658	0.9384	2.9500e-003	0.3187	1.8700e-003	0.3206	0.0848	1.7200e-003	0.0865		294.3801	294.3801	6.1100e-003		294.5330

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1781	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423		2,154.6739	2,154.6739	0.6747		2,171.5409
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1924	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423		2,154.6739	2,154.6739	0.6747		2,171.5409

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.3 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.3039	0.3039	2.0000e-005		0.3044
Vendor	2.0900e-003	0.0850	0.0148	2.4000e-004	5.7600e-003	1.3000e-004	5.8900e-003	1.6600e-003	1.3000e-004	1.7900e-003		25.1577	25.1577	1.8200e-003		25.2033
Worker	0.0662	0.0362	0.5084	1.5300e-003	0.1665	9.6000e-004	0.1675	0.0442	8.8000e-004	0.0450		152.8519	152.8519	3.4000e-003		152.9368
Total	0.0683	0.1220	0.5233	1.7700e-003	0.1724	1.0900e-003	0.1735	0.0459	1.0100e-003	0.0469		178.3135	178.3135	5.2400e-003		178.4445

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	1.1781	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423	0.0000	2,154.6739	2,154.6739	0.6747		2,171.5409
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1924	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423	0.0000	2,154.6739	2,154.6739	0.6747		2,171.5409

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.3 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.3039	0.3039	2.0000e-005		0.3044
Vendor	2.0900e-003	0.0850	0.0148	2.4000e-004	5.5500e-003	1.3000e-004	5.6900e-003	1.6100e-003	1.3000e-004	1.7400e-003		25.1577	25.1577	1.8200e-003		25.2033
Worker	0.0662	0.0362	0.5084	1.5300e-003	0.1593	9.6000e-004	0.1602	0.0424	8.8000e-004	0.0433		152.8519	152.8519	3.4000e-003		152.9368
Total	0.0683	0.1220	0.5233	1.7700e-003	0.1650	1.0900e-003	0.1661	0.0440	1.0100e-003	0.0450		178.3135	178.3135	5.2400e-003		178.4445

3.3 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1097	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863		2,154.9759	2,154.9759	0.6748		2,171.8453
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1239	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863		2,154.9759	2,154.9759	0.6748		2,171.8453

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.3 Paving - 2023

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	1.0000e-005	4.8000e-004	9.0000e-005	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2939	0.2939	1.0000e-005		0.2942
Vendor	1.6100e-003	0.0646	0.0131	2.3000e-004	5.7600e-003	6.0000e-005	5.8200e-003	1.6600e-003	6.0000e-005	1.7100e-003		24.4766	24.4766	1.3900e-003		24.5114
Worker	0.0621	0.0327	0.4692	1.4800e-003	0.1665	9.3000e-004	0.1675	0.0442	8.6000e-004	0.0450		147.0431	147.0431	3.0500e-003		147.1194
Total	0.0637	0.0978	0.4823	1.7100e-003	0.1724	9.9000e-004	0.1734	0.0459	9.2000e-004	0.0468		171.8136	171.8136	4.4500e-003		171.9250

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	1.1097	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863	0.0000	2,154.9759	2,154.9759	0.6748		2,171.8453
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1239	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863	0.0000	2,154.9759	2,154.9759	0.6748		2,171.8453

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.3 Paving - 2023

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	1.0000e-005	4.8000e-004	9.0000e-005	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005		0.2939	0.2939	1.0000e-005		0.2942
Vendor	1.6100e-003	0.0646	0.0131	2.3000e-004	5.5500e-003	6.0000e-005	5.6100e-003	1.6100e-003	6.0000e-005	1.6600e-003		24.4766	24.4766	1.3900e-003		24.5114
Worker	0.0621	0.0327	0.4692	1.4800e-003	0.1593	9.3000e-004	0.1602	0.0424	8.6000e-004	0.0433		147.0431	147.0431	3.0500e-003		147.1194
Total	0.0637	0.0978	0.4823	1.7100e-003	0.1650	9.9000e-004	0.1659	0.0440	9.2000e-004	0.0449		171.8136	171.8136	4.4500e-003		171.9250

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006		2,333.7251	2,333.7251	0.4376		2,344.6644
Total	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006		2,333.7251	2,333.7251	0.4376		2,344.6644

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.4 Building Construction - 2023

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	2.0000e-005	6.7000e-004	1.3000e-004	0.0000	9.0000e-005	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005		0.4108	0.4108	2.0000e-005		0.4113
Vendor	0.0337	1.3568	0.2742	4.8700e-003	0.1209	1.2600e-003	0.1221	0.0348	1.2100e-003	0.0360		514.0080	514.0080	0.0293		514.7398
Worker	0.2234	0.1176	1.6890	5.3100e-003	0.5995	3.3600e-003	0.6029	0.1590	3.0900e-003	0.1621		529.3553	529.3553	0.0110		529.6299
Total	0.2572	1.4751	1.9634	0.0102	0.7205	4.6200e-003	0.7251	0.1938	4.3000e-003	0.1981		1,043.7740	1,043.7740	0.0403		1,044.7809

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	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006	0.0000	2,333.7251	2,333.7251	0.4376		2,344.6644
Total	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006	0.0000	2,333.7251	2,333.7251	0.4376		2,344.6644

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

3.4 Building Construction - 2023

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	2.0000e-005	6.7000e-004	1.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005		0.4108	0.4108	2.0000e-005		0.4113
Vendor	0.0337	1.3568	0.2742	4.8700e-003	0.1166	1.2600e-003	0.1178	0.0338	1.2100e-003	0.0350		514.0080	514.0080	0.0293		514.7398
Worker	0.2234	0.1176	1.6890	5.3100e-003	0.5734	3.3600e-003	0.5768	0.1526	3.0900e-003	0.1557		529.3553	529.3553	0.0110		529.6299
Total	0.2572	1.4751	1.9634	0.0102	0.6901	4.6200e-003	0.6947	0.1864	4.3000e-003	0.1907		1,043.7740	1,043.7740	0.0403		1,044.7809

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	13.80	6.20	6.20	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	13.80	6.20	6.20	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Refrigerated Warehouse-No Rail	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

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					
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
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Unmitigated	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1399					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Total	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1399					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Total	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	168	10	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

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					
Emergency Generator - Diesel (0 - 11 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

11.0 Vegetation

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

Airport Boulevard Sewer Project
Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	4.50	1000sqft	0.10	4,500.00	0
Other Asphalt Surfaces	123.00	1000sqft	2.82	123,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	15			Operational Year	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

Project Characteristics -

Land Use -

Construction Phase - Per project schedule.

Off-road Equipment - CalEEMod default with additional cement/mortar mixer.

Off-road Equipment - Anticipated fleet per engineers.

Off-road Equipment - Anticipated fleet per engineers

Trips and VMT - Import/export captured in hauling for grading and paving phase. Building construction includes hauling for septic abandonment.

Grading - Grading at lift station site.

Vehicle Trips - No additional operational trips.

Area Coating - No additional - repave existing road.

Energy Use - Per similar project estimates.

Water And Wastewater - No additional water consumption.

Solid Waste - No additional solid waste generation.

Construction Off-road Equipment Mitigation - Basic dust measures.

Stationary Sources - Emergency Generators and Fire Pumps -

Landscape Equipment - No net change in landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	7380	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	220.00	186.00
tblConstructionPhase	NumDays	6.00	520.00
tblConstructionPhase	NumDays	10.00	520.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	NT24E	36.52	7.20

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24NG	3.25	0.00
tblGrading	AcresOfGrading	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	4.23	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CO_EF	5.97	5.97
tblStationaryGeneratorsPumpsEF	NOX_EF	5.32	5.32
tblStationaryGeneratorsPumpsEF	PM10_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	10.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	168.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	1,040,625.00	0.00

2.0 Emissions Summary

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1411	1.2000e-004	0.0130	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005	0.0000	0.0297

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1411	1.2000e-004	0.0130	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005	0.0000	0.0297

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	12/29/2023	5	520	
2	Paving	Paving	1/3/2022	12/29/2023	5	520	
3	Building Construction	Building Construction	4/14/2023	12/29/2023	5	186	

Acres of Grading (Site Preparation Phase): 0

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	2	8.00	158	0.38
Grading	Forklifts	2	8.00	89	0.20
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	2	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	12	30.00	0.00	2.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	15.00	1.00	2.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	21.00	1.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1200e-003	0.0000	6.1200e-003	6.6000e-004	0.0000	6.6000e-004			0.0000			0.0000
Off-Road	2.0847	20.1070	25.2071	0.0425		1.0969	1.0969		1.0092	1.0092		4,118.1069	4,118.1069	1.3319		4,151.4039
Total	2.0847	20.1070	25.2071	0.0425	6.1200e-003	1.0969	1.1031	6.6000e-004	1.0092	1.0098		4,118.1069	4,118.1069	1.3319		4,151.4039

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2962	0.2962	2.0000e-005		0.2967
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	0.1302	0.0749	0.8197	2.7500e-003	0.3331	1.9100e-003	0.3350	0.0883	1.7600e-003	0.0901		274.2654	274.2654	5.9200e-003		274.4134
Total	0.1303	0.0757	0.8198	2.7500e-003	0.3332	1.9100e-003	0.3351	0.0884	1.7600e-003	0.0901		274.5617	274.5617	5.9400e-003		274.7101

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7500e-003	0.0000	2.7500e-003	3.0000e-004	0.0000	3.0000e-004			0.0000			0.0000
Off-Road	2.0847	20.1070	25.2071	0.0425		1.0969	1.0969		1.0092	1.0092	0.0000	4,118.1069	4,118.1069	1.3319		4,151.4039
Total	2.0847	20.1070	25.2071	0.0425	2.7500e-003	1.0969	1.0997	3.0000e-004	1.0092	1.0095	0.0000	4,118.1069	4,118.1069	1.3319		4,151.4039

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.2000e-004	0.0000	1.1000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2962	0.2962	2.0000e-005		0.2967
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	0.1302	0.0749	0.8197	2.7500e-003	0.3186	1.9100e-003	0.3205	0.0848	1.7600e-003	0.0865		274.2654	274.2654	5.9200e-003		274.4134
Total	0.1303	0.0757	0.8198	2.7500e-003	0.3187	1.9100e-003	0.3206	0.0848	1.7600e-003	0.0866		274.5617	274.5617	5.9400e-003		274.7101

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1200e-003	0.0000	6.1200e-003	6.6000e-004	0.0000	6.6000e-004			0.0000			0.0000
Off-Road	1.9389	18.3517	25.1445	0.0426		0.9586	0.9586		0.8819	0.8819		4,122.1527	4,122.1527	1.3332		4,155,4823
Total	1.9389	18.3517	25.1445	0.0426	6.1200e-003	0.9586	0.9647	6.6000e-004	0.8819	0.8825		4,122.1527	4,122.1527	1.3332		4,155,4823

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.2 Grading - 2023

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	1.0000e-005	4.8000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2865	0.2865	1.0000e-005		0.2869
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	0.1225	0.0675	0.7554	2.6500e-003	0.3331	1.8700e-003	0.3349	0.0883	1.7200e-003	0.0901		263.8572	263.8572	5.3200e-003		263.9902
Total	0.1225	0.0680	0.7555	2.6500e-003	0.3332	1.8700e-003	0.3350	0.0884	1.7200e-003	0.0901		264.1437	264.1437	5.3300e-003		264.2770

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7500e-003	0.0000	2.7500e-003	3.0000e-004	0.0000	3.0000e-004			0.0000			0.0000
Off-Road	1.9389	18.3517	25.1445	0.0426		0.9586	0.9586		0.8819	0.8819	0.0000	4,122.1527	4,122.1527	1.3332		4,155,4823
Total	1.9389	18.3517	25.1445	0.0426	2.7500e-003	0.9586	0.9613	3.0000e-004	0.8819	0.8822	0.0000	4,122.1527	4,122.1527	1.3332		4,155,4823

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.2 Grading - 2023

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	1.0000e-005	4.8000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005		0.2865	0.2865	1.0000e-005		0.2869
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	0.1225	0.0675	0.7554	2.6500e-003	0.3186	1.8700e-003	0.3204	0.0848	1.7200e-003	0.0865		263.8572	263.8572	5.3200e-003		263.9902
Total	0.1225	0.0680	0.7555	2.6500e-003	0.3187	1.8700e-003	0.3206	0.0848	1.7200e-003	0.0865		264.1437	264.1437	5.3300e-003		264.2770

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1781	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423		2,154.6739	2,154.6739	0.6747		2,171.5409
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1924	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423		2,154.6739	2,154.6739	0.6747		2,171.5409

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.3 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2962	0.2962	2.0000e-005		0.2967
Vendor	2.2300e-003	0.0840	0.0177	2.3000e-004	5.7600e-003	1.4000e-004	5.9000e-003	1.6600e-003	1.3000e-004	1.7900e-003		24.1329	24.1329	2.0400e-003		24.1839
Worker	0.0651	0.0375	0.4099	1.3800e-003	0.1665	9.6000e-004	0.1675	0.0442	8.8000e-004	0.0450		137.1327	137.1327	2.9600e-003		137.2067
Total	0.0674	0.1222	0.4277	1.6100e-003	0.1724	1.1000e-003	0.1735	0.0459	1.0100e-003	0.0469		161.5619	161.5619	5.0200e-003		161.6873

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	1.1781	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423	0.0000	2,154.6739	2,154.6739	0.6747		2,171.5409
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1924	11.4380	14.5514	0.0226		0.5869	0.5869		0.5423	0.5423	0.0000	2,154.6739	2,154.6739	0.6747		2,171.5409

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.3 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0000e-005	7.6000e-004	1.2000e-004	0.0000	1.1000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2962	0.2962	2.0000e-005		0.2967
Vendor	2.2300e-003	0.0840	0.0177	2.3000e-004	5.5500e-003	1.4000e-004	5.6900e-003	1.6100e-003	1.3000e-004	1.7400e-003		24.1329	24.1329	2.0400e-003		24.1839
Worker	0.0651	0.0375	0.4099	1.3800e-003	0.1593	9.6000e-004	0.1602	0.0424	8.8000e-004	0.0433		137.1327	137.1327	2.9600e-003		137.2067
Total	0.0674	0.1222	0.4277	1.6100e-003	0.1650	1.1000e-003	0.1661	0.0440	1.0100e-003	0.0450		161.5619	161.5619	5.0200e-003		161.6873

3.3 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1097	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863		2,154.9759	2,154.9759	0.6748		2,171.8453
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1239	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863		2,154.9759	2,154.9759	0.6748		2,171.8453

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.3 Paving - 2023

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	1.0000e-005	4.8000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005		0.2865	0.2865	1.0000e-005		0.2869
Vendor	1.7000e-003	0.0637	0.0152	2.2000e-004	5.7600e-003	6.0000e-005	5.8200e-003	1.6600e-003	6.0000e-005	1.7200e-003		23.4949	23.4949	1.5500e-003		23.5336
Worker	0.0613	0.0338	0.3777	1.3200e-003	0.1665	9.3000e-004	0.1675	0.0442	8.6000e-004	0.0450		131.9286	131.9286	2.6600e-003		131.9951
Total	0.0630	0.0979	0.3930	1.5400e-003	0.1724	9.9000e-004	0.1734	0.0459	9.2000e-004	0.0468		155.7099	155.7099	4.2200e-003		155.8155

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	1.1097	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863	0.0000	2,154.9759	2,154.9759	0.6748		2,171.8453
Paving	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1239	10.5809	14.5491	0.0226		0.5261	0.5261		0.4863	0.4863	0.0000	2,154.9759	2,154.9759	0.6748		2,171.8453

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.3 Paving - 2023

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	1.0000e-005	4.8000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005		0.2865	0.2865	1.0000e-005		0.2869
Vendor	1.7000e-003	0.0637	0.0152	2.2000e-004	5.5500e-003	6.0000e-005	5.6100e-003	1.6100e-003	6.0000e-005	1.6700e-003		23.4949	23.4949	1.5500e-003		23.5336
Worker	0.0613	0.0338	0.3777	1.3200e-003	0.1593	9.3000e-004	0.1602	0.0424	8.6000e-004	0.0433		131.9286	131.9286	2.6600e-003		131.9951
Total	0.0630	0.0979	0.3930	1.5400e-003	0.1650	9.9000e-004	0.1659	0.0440	9.2000e-004	0.0450		155.7099	155.7099	4.2200e-003		155.8155

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006		2,333.7251	2,333.7251	0.4376		2,344.6644
Total	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006		2,333.7251	2,333.7251	0.4376		2,344.6644

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.4 Building Construction - 2023

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	2.0000e-005	6.7000e-004	1.5000e-004	0.0000	9.0000e-005	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005		0.4005	0.4005	2.0000e-005		0.4010
Vendor	0.0358	1.3369	0.3184	4.6800e-003	0.1209	1.3100e-003	0.1222	0.0348	1.2500e-003	0.0361		493.3924	493.3924	0.0325		494.2052
Worker	0.2205	0.1216	1.3597	4.7600e-003	0.5995	3.3600e-003	0.6029	0.1590	3.0900e-003	0.1621		474.9429	474.9429	9.5700e-003		475.1823
Total	0.2563	1.4591	1.6782	9.4400e-003	0.7205	4.6700e-003	0.7251	0.1938	4.3400e-003	0.1982		968.7358	968.7358	0.0421		969.7885

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	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006	0.0000	2,333.7251	2,333.7251	0.4376		2,344.6644
Total	1.7651	13.9461	14.4843	0.0257		0.6262	0.6262		0.6006	0.6006	0.0000	2,333.7251	2,333.7251	0.4376		2,344.6644

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

3.4 Building Construction - 2023

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	2.0000e-005	6.7000e-004	1.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005		0.4005	0.4005	2.0000e-005		0.4010
Vendor	0.0358	1.3369	0.3184	4.6800e-003	0.1166	1.3100e-003	0.1179	0.0338	1.2500e-003	0.0350		493.3924	493.3924	0.0325		494.2052
Worker	0.2205	0.1216	1.3597	4.7600e-003	0.5734	3.3600e-003	0.5768	0.1526	3.0900e-003	0.1557		474.9429	474.9429	9.5700e-003		475.1823
Total	0.2563	1.4591	1.6782	9.4400e-003	0.6901	4.6700e-003	0.6948	0.1864	4.3400e-003	0.1907		968.7358	968.7358	0.0421		969.7885

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	13.80	6.20	6.20	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	13.80	6.20	6.20	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Refrigerated Warehouse-No Rail	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

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					
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
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Unmitigated	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1399					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Total	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1399					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Total	0.1411	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Airport Boulevard Sewer Project - Riverside-Salton Sea County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	168	10	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

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						
Emergency Generator - Diesel (0 - 11 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

11.0 Vegetation

Emergency Generator - Riverside-Salton Sea County, Summer

Emergency Generator
Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	15			Operational Year	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Emergency Generator - Riverside-Salton Sea County, Summer

Project Characteristics -

Land Use -

Construction Phase - Placeholder - no construction.

Off-road Equipment - Placeholder - no construction

Trips and VMT - Placeholder - no construction.

Demolition -

Consumer Products - No emissions

Area Coating - No reapplication.

Landscape Equipment - No landscaping

Stationary Sources - Emergency Generators and Fire Pumps -

Emergency Generator - Riverside-Salton Sea County, Summer

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	60	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	10.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CO_EF	5.97	5.97
tblStationaryGeneratorsPumpsEF	NOX_EF	5.32	5.32
tblStationaryGeneratorsPumpsEF	PM10_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	10.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

Emergency Generator - Riverside-Salton Sea County, Summer

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	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896
Total	0.3942	2.0538	2.3061	1.8900e-003	0.0000	0.2306	0.2306	0.0000	0.2306	0.2306		201.4836	201.4836	0.0283	0.0000	202.1898

Emergency Generator - Riverside-Salton Sea County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896
Total	0.3942	2.0538	2.3061	1.8900e-003	0.0000	0.2306	0.2306	0.0000	0.2306	0.2306		201.4836	201.4836	0.0283	0.0000	202.1898

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Construction Placeholder	Demolition	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Emergency Generator - Riverside-Salton Sea County, Summer

Acres of Paving: 0.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Construction Placeholder	Concrete/Industrial Saws	0	0.00	81	0.73
Construction Placeholder	Rubber Tired Dozers	0	0.00	247	0.40
Construction Placeholder	Tractors/Loaders/Backhoes	0	0.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Construction Placeholder	0	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Emergency Generator - Riverside-Salton Sea County, Summer

3.2 Construction Placeholder - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Emergency Generator - Riverside-Salton Sea County, Summer

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	13.80	6.20	6.20	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
Other Non-Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

Emergency Generator - Riverside-Salton Sea County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Emergency Generator - Riverside-Salton Sea County, Summer

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					
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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Emergency Generator - Riverside-Salton Sea County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Emergency Generator - Riverside-Salton Sea County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Emergency Generator - Riverside-Salton Sea County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	24	0	10	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

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					
Emergency Generator - Diesel (0 - 11 HP)	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896
Total	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896

11.0 Vegetation

Emergency Generator - Riverside-Salton Sea County, Winter

Emergency Generator
Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	15			Operational Year	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MW hr)	1270.9	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Emergency Generator - Riverside-Salton Sea County, Winter

Project Characteristics -

Land Use -

Construction Phase - Placeholder - no construction.

Off-road Equipment - Placeholder - no construction

Trips and VMT - Placeholder - no construction.

Demolition -

Consumer Products - No emissions

Area Coating - No reapplication.

Landscape Equipment - No landscaping

Stationary Sources - Emergency Generators and Fire Pumps -

Emergency Generator - Riverside-Salton Sea County, Winter

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	60	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	10.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CO_EF	5.97	5.97
tblStationaryGeneratorsPumpsEF	NOX_EF	5.32	5.32
tblStationaryGeneratorsPumpsEF	PM10_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.60	0.60
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	10.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

Emergency Generator - Riverside-Salton Sea County, Winter

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	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896
Total	0.3942	2.0538	2.3061	1.8900e-003	0.0000	0.2306	0.2306	0.0000	0.2306	0.2306		201.4836	201.4836	0.0283	0.0000	202.1898

Emergency Generator - Riverside-Salton Sea County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896
Total	0.3942	2.0538	2.3061	1.8900e-003	0.0000	0.2306	0.2306	0.0000	0.2306	0.2306		201.4836	201.4836	0.0283	0.0000	202.1898

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Construction Placeholder	Demolition	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Emergency Generator - Riverside-Salton Sea County, Winter

Acres of Paving: 0.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Construction Placeholder	Concrete/Industrial Saws	0	0.00	81	0.73
Construction Placeholder	Rubber Tired Dozers	0	0.00	247	0.40
Construction Placeholder	Tractors/Loaders/Backhoes	0	0.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Construction Placeholder	0	0.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Emergency Generator - Riverside-Salton Sea County, Winter

3.2 Construction Placeholder - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Emergency Generator - Riverside-Salton Sea County, Winter

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	13.80	6.20	6.20	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
Other Non-Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

Emergency Generator - Riverside-Salton Sea County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Emergency Generator - Riverside-Salton Sea County, Winter

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					
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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Emergency Generator - Riverside-Salton Sea County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Emergency Generator - Riverside-Salton Sea County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	3.5000e-004					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000			2.3000e-004
Total	3.6000e-004	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000			2.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Emergency Generator - Riverside-Salton Sea County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	24	0	10	0.73	Diesel

Boilers

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

Equipment Type	Number
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10.1 Stationary Sources

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					
Emergency Generator - Diesel (0 - 11 HP)	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896
Total	0.3938	2.0538	2.3060	1.8900e-003		0.2306	0.2306		0.2306	0.2306		201.4834	201.4834	0.0283		202.1896

11.0 Vegetation
