

APPENDIX C

Air Quality and Greenhouse Gas Emissions Model Output

APPENDIX C.1

Grading

Section 31 Specific Plan Project (Grading) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Grading)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	400.00	Room	13.33	580,800.00	0
Recreational Swimming Pool	1,481.04	1000sqft	34.00	1,481,040.00	0
Apartments Mid Rise	832.00	Dwelling Unit	21.89	832,000.00	2687
Single Family Housing	1,100.00	Dwelling Unit	357.14	1,980,000.00	3553
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Grading would take place first and last approximately 6 months.

Off-road Equipment - Anticipated construction equipment to be utilized during the grading phase

Trips and VMT -

On-road Fugitive Dust - Trucks will be travelling along paved roads

Grading - Approximately 60,000 yards of soil would be moved per day. 6.5 million yards total

Vehicle Trips - Trip rates based on TIA dated 2/27/19

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater - Based on the WSA, the lagoon will utilize 248.54 acre-feet/year or approximately 80,986,993.4 gallons/year.

Construction Off-road Equipment Mitigation - SCAQMD staff recommends construction equipment to meet at the minimum Tier 3 requirements and

equipped with Level 3 DPF diesel

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	775.00	132.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	1,716.00	618.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	12.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

tblWater	IndoorWaterUseRate	87,593,362.04	0.00
tblWater	OutdoorWaterUseRate	53,686,254.16	80,986,993.40

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	1.5969	17.7917	10.5637	0.0235	1.1624	0.7131	1.8755	0.4829	0.6585	1.1414	0.0000	2,108.8569	2,108.8569	0.6390	0.0000	2,124.8313
Maximum	1.5969	17.7917	10.5637	0.0235	1.1624	0.7131	1.8755	0.4829	0.6585	1.1414	0.0000	2,108.8569	2,108.8569	0.6390	0.0000	2,124.8313

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.5902	11.0149	12.6631	0.0235	0.4777	0.0658	0.5435	0.1948	0.0658	0.2606	0.0000	2,108.8544	2,108.8544	0.6390	0.0000	2,124.8288
Maximum	0.5902	11.0149	12.6631	0.0235	0.4777	0.0658	0.5435	0.1948	0.0658	0.2606	0.0000	2,108.8544	2,108.8544	0.6390	0.0000	2,124.8288

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	63.04	38.09	-19.87	0.00	58.91	90.77	71.02	59.67	90.01	77.17	0.00	0.00	0.00	0.00	0.00	0.00
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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2019	9-30-2019	9.6548	5.7799
		Highest	9.6548	5.7799

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	7/1/2019	12/31/2019	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 618

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	2	8.00	187	0.41
Grading	Off-Highway Trucks	9	8.00	402	0.38
Grading	Pumps	1	8.00	84	0.74
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	12	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	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
Grading	29	73.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1226	0.0000	1.1226	0.4723	0.0000	0.4723	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5705	17.7716	10.3661	0.0231		0.7128	0.7128		0.6583	0.6583	0.0000	2,073.7200	2,073.7200	0.6374	0.0000	2,089.6539
Total	1.5705	17.7716	10.3661	0.0231	1.1226	0.7128	1.8355	0.4723	0.6583	1.1306	0.0000	2,073.7200	2,073.7200	0.6374	0.0000	2,089.6539

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0264	0.0201	0.1976	3.9000e-004	0.0398	2.6000e-004	0.0401	0.0106	2.4000e-004	0.0108	0.0000	35.1369	35.1369	1.6200e-003	0.0000	35.1774
Total	0.0264	0.0201	0.1976	3.9000e-004	0.0398	2.6000e-004	0.0401	0.0106	2.4000e-004	0.0108	0.0000	35.1369	35.1369	1.6200e-003	0.0000	35.1774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4378	0.0000	0.4378	0.1842	0.0000	0.1842	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5637	10.9948	12.4655	0.0231		0.0656	0.0656		0.0656	0.0656	0.0000	2,073.7176	2,073.7176	0.6374	0.0000	2,089.6514
Total	0.5637	10.9948	12.4655	0.0231	0.4378	0.0656	0.5034	0.1842	0.0656	0.2498	0.0000	2,073.7176	2,073.7176	0.6374	0.0000	2,089.6514

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0264	0.0201	0.1976	3.9000e-004	0.0398	2.6000e-004	0.0401	0.0106	2.4000e-004	0.0108	0.0000	35.1369	35.1369	1.6200e-003	0.0000	35.1774
Total	0.0264	0.0201	0.1976	3.9000e-004	0.0398	2.6000e-004	0.0401	0.0106	2.4000e-004	0.0108	0.0000	35.1369	35.1369	1.6200e-003	0.0000	35.1774

Section 31 Specific Plan Project (Grading) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Grading)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	400.00	Room	13.33	580,800.00	0
Recreational Swimming Pool	1,481.04	1000sqft	34.00	1,481,040.00	0
Apartments Mid Rise	832.00	Dwelling Unit	21.89	832,000.00	2687
Single Family Housing	1,100.00	Dwelling Unit	357.14	1,980,000.00	3553
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Grading would take place first and last approximately 6 months.

Off-road Equipment - Anticipated construction equipment to be utilized during the grading phase

Trips and VMT -

On-road Fugitive Dust - Trucks will be travelling along paved roads

Grading - Approximately 60,000 yards of soil would be moved per day. 6.5 million yards total

Vehicle Trips - Trip rates based on TIA dated 2/27/19

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater - Based on the WSA, the lagoon will utilize 248.54 acre-feet/year or approximately 80,986,993.4 gallons/year.

Construction Off-road Equipment Mitigation - SCAQMD staff recommends construction equipment to meet at the minimum Tier 3 requirements and

equipped with Level 3 DPF diesel

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	775.00	132.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	1,716.00	618.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	12.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

tblWater	IndoorWaterUseRate	87,593,362.04	0.00
tblWater	OutdoorWaterUseRate	53,686,254.16	80,986,993.40

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	24.2730	269.5676	160.8047	0.3569	17.6200	10.8046	28.4246	7.3186	9.9773	17.2959	0.0000	35,283.5840	35,283.5840	10.6764	0.0000	35,550.4942
Maximum	24.2730	269.5676	160.8047	0.3569	17.6200	10.8046	28.4246	7.3186	9.9773	17.2959	0.0000	35,283.5840	35,283.5840	10.6764	0.0000	35,550.4942

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.0197	166.8895	192.6133	0.3569	7.2444	0.9975	8.2418	2.9531	0.9972	3.9502	0.0000	35,283.5840	35,283.5840	10.6764	0.0000	35,550.4942
Maximum	9.0197	166.8895	192.6133	0.3569	7.2444	0.9975	8.2418	2.9531	0.9972	3.9502	0.0000	35,283.5840	35,283.5840	10.6764	0.0000	35,550.4942

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	62.84	38.09	-19.78	0.00	58.89	90.77	71.00	59.65	90.01	77.16	0.00	0.00	0.00	0.00	0.00	0.00
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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	7/1/2019	12/31/2019	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 618

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	2	8.00	187	0.41
Grading	Off-Highway Trucks	9	8.00	402	0.38
Grading	Pumps	1	8.00	84	0.74
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	12	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	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
Grading	29	73.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.0092	0.0000	17.0092	7.1566	0.0000	7.1566			0.0000			0.0000
Off-Road	23.7949	269.2668	157.0621	0.3504		10.8006	10.8006		9.9737	9.9737		34,634.6218	34,634.6218	10.6449		34,900.7445
Total	23.7949	269.2668	157.0621	0.3504	17.0092	10.8006	27.8099	7.1566	9.9737	17.1302		34,634.6218	34,634.6218	10.6449		34,900.7445

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4782	0.3008	3.7426	6.5400e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		648.9622	648.9622	0.0315		649.7497
Total	0.4782	0.3008	3.7426	6.5400e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		648.9622	648.9622	0.0315		649.7497

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					6.6336	0.0000	6.6336	2.7911	0.0000	2.7911			0.0000			0.0000
Off-Road	8.5415	166.5887	188.8707	0.3504		0.9935	0.9935		0.9935	0.9935	0.0000	34,634.6217	34,634.6217	10.6449		34,900.7445
Total	8.5415	166.5887	188.8707	0.3504	6.6336	0.9935	7.6271	2.7911	0.9935	3.7846	0.0000	34,634.6217	34,634.6217	10.6449		34,900.7445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4782	0.3008	3.7426	6.5400e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		648.9622	648.9622	0.0315		649.7497
Total	0.4782	0.3008	3.7426	6.5400e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		648.9622	648.9622	0.0315		649.7497

Section 31 Specific Plan Project (Grading) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Grading)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	400.00	Room	13.33	580,800.00	0
Recreational Swimming Pool	1,481.04	1000sqft	34.00	1,481,040.00	0
Apartments Mid Rise	832.00	Dwelling Unit	21.89	832,000.00	2687
Single Family Housing	1,100.00	Dwelling Unit	357.14	1,980,000.00	3553
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Grading would take place first and last approximately 6 months.

Off-road Equipment - Anticipated construction equipment to be utilized during the grading phase

Trips and VMT -

On-road Fugitive Dust - Trucks will be travelling along paved roads

Grading - Approximately 60,000 yards of soil would be moved per day. 6.5 million yards total

Vehicle Trips - Trip rates based on TIA dated 2/27/19

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater - Based on the WSA, the lagoon will utilize 248.54 acre-feet/year or approximately 80,986,993.4 gallons/year.

Construction Off-road Equipment Mitigation - SCAQMD staff recommends construction equipment to meet at the minimum Tier 3 requirements and

equipped with Level 3 DPF diesel

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	775.00	132.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	1,716.00	618.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	12.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

tblWater	IndoorWaterUseRate	87,593,362.04	0.00
tblWater	OutdoorWaterUseRate	53,686,254.16	80,986,993.40

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	24.1875	269.5772	159.7487	0.3559	17.6200	10.8046	28.4246	7.3186	9.9773	17.2959	0.0000	35,179.9290	35,179.9290	10.6698	0.0000	35,446.6741
Maximum	24.1875	269.5772	159.7487	0.3559	17.6200	10.8046	28.4246	7.3186	9.9773	17.2959	0.0000	35,179.9290	35,179.9290	10.6698	0.0000	35,446.6741

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	8.9341	166.8991	191.5573	0.3559	7.2444	0.9975	8.2418	2.9531	0.9972	3.9502	0.0000	35,179.9290	35,179.9290	10.6698	0.0000	35,446.6741
Maximum	8.9341	166.8991	191.5573	0.3559	7.2444	0.9975	8.2418	2.9531	0.9972	3.9502	0.0000	35,179.9290	35,179.9290	10.6698	0.0000	35,446.6741

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	63.06	38.09	-19.91	0.00	58.89	90.77	71.00	59.65	90.01	77.16	0.00	0.00	0.00	0.00	0.00	0.00
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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	7/1/2019	12/31/2019	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 618

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	2	8.00	187	0.41
Grading	Off-Highway Trucks	9	8.00	402	0.38
Grading	Pumps	1	8.00	84	0.74
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	12	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	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
Grading	29	73.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.0092	0.0000	17.0092	7.1566	0.0000	7.1566			0.0000			0.0000
Off-Road	23.7949	269.2668	157.0621	0.3504		10.8006	10.8006		9.9737	9.9737		34,634.6218	34,634.6218	10.6449		34,900.7445
Total	23.7949	269.2668	157.0621	0.3504	17.0092	10.8006	27.8099	7.1566	9.9737	17.1302		34,634.6218	34,634.6218	10.6449		34,900.7445

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3926	0.3104	2.6866	5.4900e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		545.3072	545.3072	0.0249		545.9296
Total	0.3926	0.3104	2.6866	5.4900e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		545.3072	545.3072	0.0249		545.9296

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					6.6336	0.0000	6.6336	2.7911	0.0000	2.7911			0.0000			0.0000
Off-Road	8.5415	166.5887	188.8707	0.3504		0.9935	0.9935		0.9935	0.9935	0.0000	34,634.6217	34,634.6217	10.6449		34,900.7445
Total	8.5415	166.5887	188.8707	0.3504	6.6336	0.9935	7.6271	2.7911	0.9935	3.7846	0.0000	34,634.6217	34,634.6217	10.6449		34,900.7445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3926	0.3104	2.6866	5.4900e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		545.3072	545.3072	0.0249		545.9296
Total	0.3926	0.3104	2.6866	5.4900e-003	0.6108	3.9600e-003	0.6147	0.1620	3.6400e-003	0.1657		545.3072	545.3072	0.0249		545.9296

APPENDIX C.2

Year 1 (Construction)

Section 31 Specific Plan Project (Year 1 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 1 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	113.00	Dwelling Unit	36.69	203,400.00	365

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 1 construction schedule anticipated to start 1/2/2020 and end 12/31/2020.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	261.00
tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	PhaseEndDate	4/5/2023	12/31/2020
tblConstructionPhase	PhaseEndDate	11/2/2022	12/31/2020
tblConstructionPhase	PhaseEndDate	1/18/2023	12/31/2020
tblConstructionPhase	PhaseStartDate	1/19/2023	10/31/2020
tblConstructionPhase	PhaseStartDate	11/3/2022	11/30/2020
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	tons/yr										MT/yr					
	2020	1.6049	2.8842	2.6656	4.6600e-003	0.0550	0.1583	0.2132	0.0148	0.1488	0.1636	0.0000	406.3802	406.3802	0.0867	0.0000
Maximum	1.6049	2.8842	2.6656	4.6600e-003	0.0550	0.1583	0.2132	0.0148	0.1488	0.1636	0.0000	406.3802	406.3802	0.0867	0.0000	408.5469

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
2020	1.4026	2.1964	2.8311	4.6600e-003	0.0550	0.0201	0.0751	0.0148	0.0201	0.0348	0.0000	406.3798	406.3798	0.0867	0.0000	408.5465
Maximum	1.4026	2.1964	2.8311	4.6600e-003	0.0550	0.0201	0.0751	0.0148	0.0201	0.0348	0.0000	406.3798	406.3798	0.0867	0.0000	408.5465

	ROG	NOx	CO	SO2	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	12.60	23.84	-6.21	0.00	0.00	87.29	64.79	0.00	86.52	78.71	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2020	4-1-2020	0.7432	0.5350
2	4-2-2020	7-1-2020	0.7445	0.5363
3	7-2-2020	9-30-2020	0.7445	0.5363
		Highest	0.7445	0.5363

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2020	12/31/2020	5	261	
2	Architectural Coating	Architectural Coating	10/31/2020	12/31/2020	5	44	
3	Paving	Paving	11/30/2020	12/31/2020	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 411,885; Residential Outdoor: 137,295; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	41.00	12.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5038	2.1987	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.2510	302.2510	0.0737	0.0000	304.0945
Total	0.2766	2.5038	2.1987	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.2510	302.2510	0.0737	0.0000	304.0945

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9300e-003	0.1531	0.0373	3.6000e-004	7.7900e-003	7.2000e-004	8.5100e-003	2.2500e-003	6.9000e-004	2.9300e-003	0.0000	34.1848	34.1848	2.9900e-003	0.0000	34.2595
Worker	0.0271	0.0201	0.2001	4.2000e-004	0.0442	2.8000e-004	0.0445	0.0117	2.6000e-004	0.0120	0.0000	37.7797	37.7797	1.6300e-003	0.0000	37.8203
Total	0.0321	0.1732	0.2374	7.8000e-004	0.0520	1.0000e-003	0.0530	0.0140	9.5000e-004	0.0149	0.0000	71.9644	71.9644	4.6200e-003	0.0000	72.0798

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	0.0879	1.8565	2.3325	3.5100e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.2507	302.2507	0.0737	0.0000	304.0941
Total	0.0879	1.8565	2.3325	3.5100e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.2507	302.2507	0.0737	0.0000	304.0941

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9300e-003	0.1531	0.0373	3.6000e-004	7.7900e-003	7.2000e-004	8.5100e-003	2.2500e-003	6.9000e-004	2.9300e-003	0.0000	34.1848	34.1848	2.9900e-003	0.0000	34.2595
Worker	0.0271	0.0201	0.2001	4.2000e-004	0.0442	2.8000e-004	0.0445	0.0117	2.6000e-004	0.0120	0.0000	37.7797	37.7797	1.6300e-003	0.0000	37.8203
Total	0.0321	0.1732	0.2374	7.8000e-004	0.0520	1.0000e-003	0.0530	0.0140	9.5000e-004	0.0149	0.0000	71.9644	71.9644	4.6200e-003	0.0000	72.0798

3.3 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr						
Archit. Coating	1.2727					0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Off-Road	5.3300e-003	0.0370	0.0403	7.0000e-005		2.4400e-003	2.4400e-003			2.4400e-003	2.4400e-003	0.0000	5.6172	5.6172	4.3000e-004	0.0000	5.6280
Total	1.2781	0.0370	0.0403	7.0000e-005		2.4400e-003	2.4400e-003			2.4400e-003	2.4400e-003	0.0000	5.6172	5.6172	4.3000e-004	0.0000	5.6280

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.6000e-004	6.5800e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.2427	1.2427	5.0000e-005	0.0000	1.2441
Total	8.9000e-004	6.6000e-004	6.5800e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.2427	1.2427	5.0000e-005	0.0000	1.2441

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Archit. Coating	1.2727					0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004			3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	4.3000e-004	0.0000	5.6280

Total	1.2740	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	4.3000e-004	0.0000	5.6280
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.6000e-004	6.5800e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.2427	1.2427	5.0000e-005	0.0000	1.2441
Total	8.9000e-004	6.6000e-004	6.5800e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.2427	1.2427	5.0000e-005	0.0000	1.2441

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0163	0.1688	0.1758	2.7000e-004		9.0300e-003	9.0300e-003		8.3100e-003	8.3100e-003	0.0000	24.0339	24.0339	7.7700e-003	0.0000	24.2282
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.1688	0.1758	2.7000e-004		9.0300e-003	9.0300e-003		8.3100e-003	8.3100e-003	0.0000	24.0339	24.0339	7.7700e-003	0.0000	24.2282

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.1000e-004	6.8000e-004	6.7300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2710	1.2710	5.0000e-005	0.0000	1.2723
Total	9.1000e-004	6.8000e-004	6.7300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2710	1.2710	5.0000e-005	0.0000	1.2723

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	6.7300e-003	0.1355	0.2076	2.7000e-004		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	24.0338	24.0338	7.7700e-003	0.0000	24.2282
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7300e-003	0.1355	0.2076	2.7000e-004		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	24.0338	24.0338	7.7700e-003	0.0000	24.2282

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.1000e-004	6.8000e-004	6.7300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2710	1.2710	5.0000e-005	0.0000	1.2723
Total	9.1000e-004	6.8000e-004	6.7300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2710	1.2710	5.0000e-005	0.0000	1.2723

Section 31 Specific Plan Project (Year 1 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 1 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	113.00	Dwelling Unit	36.69	203,400.00	365

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 1 construction schedule anticipated to start 1/2/2020 and end 12/31/2020.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	261.00
tblConstructionPhase	NumDays	55.00	24.00

tblConstructionPhase	PhaseEndDate	4/5/2023	12/31/2020
tblConstructionPhase	PhaseEndDate	11/2/2022	12/31/2020
tblConstructionPhase	PhaseEndDate	1/18/2023	12/31/2020
tblConstructionPhase	PhaseStartDate	1/19/2023	10/31/2020
tblConstructionPhase	PhaseStartDate	11/3/2022	11/30/2020
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	61.9942	36.3378	36.5925	0.0610	0.5957	1.9896	2.5854	0.1594	1.8622	2.0216	0.0000	5,888.1095	5,888.1095	1.4076	0.0000	5,923.2997
Maximum	61.9942	36.3378	36.5925	0.0610	0.5957	1.9896	2.5854	0.1594	1.8622	2.0216	0.0000	5,888.1095	5,888.1095	1.4076	0.0000	5,923.2997

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	59.5699	28.2806	40.2624	0.0610	0.5957	0.2500	0.8458	0.1594	0.2495	0.4089	0.0000	5,888.1095	5,888.1095	1.4076	0.0000	5,923.2997
Maximum	59.5699	28.2806	40.2624	0.0610	0.5957	0.2500	0.8458	0.1594	0.2495	0.4089	0.0000	5,888.1095	5,888.1095	1.4076	0.0000	5,923.2997

	ROG	NOx	CO	SO2	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	3.91	22.17	-10.03	0.00	0.00	87.43	67.29	0.00	86.60	79.77	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	Building Construction	Building Construction	1/2/2020	12/31/2020	5	261	
2	Architectural Coating	Architectural Coating	10/31/2020	12/31/2020	5	44	
3	Paving	Paving	11/30/2020	12/31/2020	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 411,885; Residential Outdoor: 137,295; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	41.00	12.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063	2,553.0631	0.6229		2,568.634
												1				5

Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063	2,553.0631	0.6229		2,568.634
												1				5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0374	1.1641	0.2664	2.8200e-003	0.0603	5.4500e-003	0.0657	0.0174	5.2200e-003	0.0226		294.9881	294.9881	0.0240			295.5889
Worker	0.2480	0.1527	1.9181	3.5500e-003	0.3430	2.1700e-003	0.3452	0.0910	2.0000e-003	0.0930		352.9055	352.9055	0.0160			353.3043
Total	0.2854	1.3167	2.1845	6.3700e-003	0.4033	7.6200e-003	0.4109	0.1084	7.2200e-003	0.1156		647.8936	647.8936	0.0400			648.8932

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229			2,568.634
												1					5
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229			2,568.634
												1					5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.1641	0.2664	2.8200e-003	0.0603	5.4500e-003	0.0657	0.0174	5.2200e-003	0.0226		294.9881	294.9881	0.0240		295.5889
Worker	0.2480	0.1527	1.9181	3.5500e-003	0.3430	2.1700e-003	0.3452	0.0910	2.0000e-003	0.0930		352.9055	352.9055	0.0160		353.3043
Total	0.2854	1.3167	2.1845	6.3700e-003	0.4033	7.6200e-003	0.4109	0.1084	7.2200e-003	0.1156		647.8936	647.8936	0.0400		648.8932

3.3 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	57.8511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	58.0933	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0484	0.0298	0.3743	6.9000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		68.8596	68.8596	3.1100e-003		68.9374

Total	0.0484	0.0298	0.3743	6.9000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		68.8596	68.8596	3.1100e-003		68.9374
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	57.8511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0218		281.9928
Total	57.9106	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0484	0.0298	0.3743	6.9000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		68.8596	68.8596	3.1100e-003		68.9374
Total	0.0484	0.0298	0.3743	6.9000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		68.8596	68.8596	3.1100e-003		68.9374

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0907	0.0559	0.7018	1.3000e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		129.1118	129.1118	5.8400e-003		129.2577
Total	0.0907	0.0559	0.7018	1.3000e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		129.1118	129.1118	5.8400e-003		129.2577

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0907	0.0559	0.7018	1.3000e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		129.1118	129.1118	5.8400e-003		129.2577
Total	0.0907	0.0559	0.7018	1.3000e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		129.1118	129.1118	5.8400e-003		129.2577

Section 31 Specific Plan Project (Year 1 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 1 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	113.00	Dwelling Unit	36.69	203,400.00	365

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 1 construction schedule anticipated to start 1/2/2020 and end 12/31/2020.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	261.00
tblConstructionPhase	NumDays	55.00	24.00

tblConstructionPhase	PhaseEndDate	4/5/2023	12/31/2020
tblConstructionPhase	PhaseEndDate	11/2/2022	12/31/2020
tblConstructionPhase	PhaseEndDate	1/18/2023	12/31/2020
tblConstructionPhase	PhaseStartDate	1/19/2023	10/31/2020
tblConstructionPhase	PhaseStartDate	11/3/2022	11/30/2020
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	61.9279	36.3404	35.7926	0.0600	0.5957	1.9897	2.5855	0.1594	1.8623	2.0217	0.0000	5,785.2577	5,785.2577	1.4054	0.0000	5,820.3915
Maximum	61.9279	36.3404	35.7926	0.0600	0.5957	1.9897	2.5855	0.1594	1.8623	2.0217	0.0000	5,785.2577	5,785.2577	1.4054	0.0000	5,820.3915

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	59.5036	28.2832	39.4625	0.0600	0.5957	0.2501	0.8459	0.1594	0.2496	0.4090	0.0000	5,785.2577	5,785.2577	1.4054	0.0000	5,820.3915
Maximum	59.5036	28.2832	39.4625	0.0600	0.5957	0.2501	0.8459	0.1594	0.2496	0.4090	0.0000	5,785.2577	5,785.2577	1.4054	0.0000	5,820.3915

	ROG	NOx	CO	SO2	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	3.91	22.17	-10.25	0.00	0.00	87.43	67.28	0.00	86.60	79.77	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	Building Construction	Building Construction	1/2/2020	12/31/2020	5	261	
2	Architectural Coating	Architectural Coating	10/31/2020	12/31/2020	5	44	
3	Paving	Paving	11/30/2020	12/31/2020	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 411,885; Residential Outdoor: 137,295; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	41.00	12.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063	2,553.0631	0.6229		2,568.634
												1				5

Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063	2,553.0631	0.6229		2,568.634
												1				5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.1593	0.3166	2.6800e-003	0.0603	5.5600e-003	0.0658	0.0174	5.3200e-003	0.0227		280.1420	280.1420	0.0270		280.8168
Worker	0.2043	0.1574	1.3735	2.9800e-003	0.3430	2.1700e-003	0.3452	0.0910	2.0000e-003	0.0930		296.5268	296.5268	0.0126		296.8421
Total	0.2437	1.3167	1.6901	5.6600e-003	0.4033	7.7300e-003	0.4110	0.1084	7.3200e-003	0.1157		576.6688	576.6688	0.0396		577.6589

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229		2,568.634
												1				5
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229		2,568.634
												1				5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.1593	0.3166	2.6800e-003	0.0603	5.5600e-003	0.0658	0.0174	5.3200e-003	0.0227		280.1420	280.1420	0.0270		280.8168
Worker	0.2043	0.1574	1.3735	2.9800e-003	0.3430	2.1700e-003	0.3452	0.0910	2.0000e-003	0.0930		296.5268	296.5268	0.0126		296.8421
Total	0.2437	1.3167	1.6901	5.6600e-003	0.4033	7.7300e-003	0.4110	0.1084	7.3200e-003	0.1157		576.6688	576.6688	0.0396		577.6589

3.3 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	57.8511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	58.0933	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0307	0.2680	5.8000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		57.8589	57.8589	2.4600e-003		57.9204

Total	0.0399	0.0307	0.2680	5.8000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		57.8589	57.8589	2.4600e-003		57.9204
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	57.8511					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0218		281.9928
Total	57.9106	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0307	0.2680	5.8000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		57.8589	57.8589	2.4600e-003		57.9204
Total	0.0399	0.0307	0.2680	5.8000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		57.8589	57.8589	2.4600e-003		57.9204

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0747	0.0576	0.5025	1.0900e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		108.4854	108.4854	4.6100e-003		108.6008
Total	0.0747	0.0576	0.5025	1.0900e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		108.4854	108.4854	4.6100e-003		108.6008

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0747	0.0576	0.5025	1.0900e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		108.4854	108.4854	4.6100e-003		108.6008
Total	0.0747	0.0576	0.5025	1.0900e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		108.4854	108.4854	4.6100e-003		108.6008

APPENDIX C.3

Year 2 (Construction)

Section 31 Specific Plan Project (Year 2 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 2 Construction)

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410
Apartments Mid Rise	114.00	Dwelling Unit	3.00	114,000.00	368
Hotel	400.00	Room	13.33	580,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 2 construction schedule anticipated to start 1/2/2021 and end 12/31/2021.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	45.00

tblConstructionPhase	NumDays	1,110.00	260.00
tblConstructionPhase	NumDays	75.00	24.00
tblConstructionPhase	PhaseEndDate	10/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	4/4/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	7/18/2025	12/31/2021
tblConstructionPhase	PhaseStartDate	7/19/2025	10/31/2021
tblConstructionPhase	PhaseStartDate	4/5/2025	11/30/2021
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	WD_TR	9.52	9.44
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	6.7298	4.0344	4.4450	0.0112	0.4933	0.1400	0.6333	0.1328	0.1316	0.2643	0.0000	1,014.9195	1,014.9195	0.1229	0.0000	1,017.9907
Maximum	6.7298	4.0344	4.4450	0.0112	0.4933	0.1400	0.6333	0.1328	0.1316	0.2643	0.0000	1,014.9195	1,014.9195	0.1229	0.0000	1,017.9907

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	6.5584	3.5943	4.6459	0.0112	0.4933	0.0242	0.5174	0.1328	0.0239	0.1566	0.0000	1,014.9191	1,014.9191	0.1229	0.0000	1,017.9903
Maximum	6.5584	3.5943	4.6459	0.0112	0.4933	0.0242	0.5174	0.1328	0.0239	0.1566	0.0000	1,014.9191	1,014.9191	0.1229	0.0000	1,017.9903

	ROG	NOx	CO	SO2	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	2.55	10.91	-4.52	0.00	0.00	82.74	18.29	0.00	81.87	40.75	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2021	4-1-2021	1.0736	0.9311
2	4-2-2021	7-1-2021	1.0982	0.9542
3	7-2-2021	9-30-2021	1.0982	0.9542
		Highest	1.0982	0.9542

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2021	12/31/2021	5	260	
2	Architectural Coating	Architectural Coating	10/31/2021	12/31/2021	5	45	
3	Paving	Paving	11/30/2021	12/31/2021	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 693,765; Residential Outdoor: 231,255; Non-Residential Indoor: 871,200; Non-Residential Outdoor: 290,400; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	372.00	121.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2662	2.1548	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.1285	301.1285	0.0727	0.0000	302.9447
Total	0.2471	2.2662	2.1548	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.1285	301.1285	0.0727	0.0000	302.9447

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4074	0.3370	3.5900e-003	0.0782	2.5400e-003	0.0808	0.0226	2.4300e-003	0.0250	0.0000	341.4510	341.4510	0.0281	0.0000	342.1524
Worker	0.2285	0.1652	1.6728	3.6600e-003	0.3998	2.4900e-003	0.4023	0.1061	2.3000e-003	0.1084	0.0000	329.9779	329.9779	0.0135	0.0000	330.3145
Total	0.2722	1.5726	2.0097	7.2500e-003	0.4780	5.0300e-003	0.4831	0.1287	4.7300e-003	0.1334	0.0000	671.4289	671.4289	0.0415	0.0000	672.4669

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	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.1281	301.1281	0.0727	0.0000	302.9443
Total	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.1281	301.1281	0.0727	0.0000	302.9443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0437	1.4074	0.3370	3.5900e-003	0.0782	2.5400e-003	0.0808	0.0226	2.4300e-003	0.0250	0.0000	341.4510	341.4510	0.0281	0.0000	342.1524
Worker	0.2285	0.1652	1.6728	3.6600e-003	0.3998	2.4900e-003	0.4023	0.1061	2.3000e-003	0.1084	0.0000	329.9779	329.9779	0.0135	0.0000	330.3145
Total	0.2722	1.5726	2.0097	7.2500e-003	0.4780	5.0300e-003	0.4831	0.1287	4.7300e-003	0.1334	0.0000	671.4289	671.4289	0.0415	0.0000	672.4669

3.3 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9300e-003	0.0344	0.0409	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547

Total	6.1867	0.0344	0.0409	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8700e-003	5.6900e-003	0.0576	1.3000e-004	0.0138	9.0000e-005	0.0139	3.6500e-003	8.0000e-005	3.7300e-003	0.0000	11.3609	11.3609	4.6000e-004	0.0000	11.3725
Total	7.8700e-003	5.6900e-003	0.0576	1.3000e-004	0.0138	9.0000e-005	0.0139	3.6500e-003	8.0000e-005	3.7300e-003	0.0000	11.3609	11.3609	4.6000e-004	0.0000	11.3725

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	0.0305	0.0412	7.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547
Total	6.1831	0.0305	0.0412	7.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8700e-003	5.6900e-003	0.0576	1.3000e-004	0.0138	9.0000e-005	0.0139	3.6500e-003	8.0000e-005	3.7300e-003	0.0000	11.3609	11.3609	4.6000e-004	0.0000	11.3725
Total	7.8700e-003	5.6900e-003	0.0576	1.3000e-004	0.0138	9.0000e-005	0.0139	3.6500e-003	8.0000e-005	3.7300e-003	0.0000	11.3609	11.3609	4.6000e-004	0.0000	11.3725

3.4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0151	0.1550	0.1758	2.7000e-004	8.1300e-003	8.1300e-003	8.1300e-003	7.4800e-003	7.4800e-003	7.4800e-003	0.0000	24.0282	24.0282	7.7700e-003	0.0000	24.2225
Paving	0.0000				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	0.0151	0.1550	0.1758	2.7000e-004	8.1300e-003	8.1300e-003	8.1300e-003	7.4800e-003	7.4800e-003	7.4800e-003	0.0000	24.0282	24.0282	7.7700e-003	0.0000	24.2225

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.1000e-004	6.2300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2282	1.2282	5.0000e-005	0.0000	1.2295

Total	8.5000e-004	6.1000e-004	6.2300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2282	1.2282	5.0000e-005	0.0000	1.2295
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7300e-003	0.1355	0.2076	2.7000e-004		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	24.0282	24.0282	7.7700e-003	0.0000	24.2224
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7300e-003	0.1355	0.2076	2.7000e-004		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	24.0282	24.0282	7.7700e-003	0.0000	24.2224

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.1000e-004	6.2300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2282	1.2282	5.0000e-005	0.0000	1.2295
Total	8.5000e-004	6.1000e-004	6.2300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2282	1.2282	5.0000e-005	0.0000	1.2295

Section 31 Specific Plan Project (Year 2 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 2 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410
Apartments Mid Rise	114.00	Dwelling Unit	3.00	114,000.00	368
Hotel	400.00	Room	13.33	580,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 2 construction schedule anticipated to start 1/2/2021 and end 12/31/2021.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	45.00
tblConstructionPhase	NumDays	1,110.00	260.00

tblConstructionPhase	NumDays	75.00	24.00
tblConstructionPhase	PhaseEndDate	10/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	4/4/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	7/18/2025	12/31/2021
tblConstructionPhase	PhaseStartDate	7/19/2025	10/31/2021
tblConstructionPhase	PhaseStartDate	4/5/2025	11/30/2021
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	WD_TR	9.52	9.44
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	281.0428	44.2149	55.4208	0.1196	4.4647	1.7733	6.2381	1.1981	1.6591	2.8572	0.0000	11,834.4029	11,834.4029	1.7395	0.0000	11,877.8897
Maximum	281.0428	44.2149	55.4208	0.1196	4.4647	1.7733	6.2381	1.1981	1.6591	2.8572	0.0000	11,834.4029	11,834.4029	1.7395	0.0000	11,877.8897

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	278.9617	39.2152	59.3767	0.1196	4.4647	0.2841	4.7488	1.1981	0.2814	1.4795	0.0000	11,834.4029	11,834.4029	1.7395	0.0000	11,877.8897
Maximum	278.9617	39.2152	59.3767	0.1196	4.4647	0.2841	4.7488	1.1981	0.2814	1.4795	0.0000	11,834.4029	11,834.4029	1.7395	0.0000	11,877.8897

	ROG	NOx	CO	SO2	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	0.74	11.31	-7.14	0.00	0.00	83.98	23.87	0.00	83.04	48.22	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	Building Construction	Building Construction	1/2/2021	12/31/2021	5	260	
2	Architectural Coating	Architectural Coating	10/31/2021	12/31/2021	5	45	

3	Paving	Paving	11/30/2021	12/31/2021	5	24
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 693,765; Residential Outdoor: 231,255; Non-Residential Indoor: 871,200; Non-Residential Outdoor: 290,400; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	372.00	121.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3321	10.7780	2.4059	0.0283	0.6077	0.0191	0.6268	0.1751	0.0183	0.1934		2,957.8441	2,957.8441	0.2262		2,963.4989
Worker	2.0909	1.2580	16.1138	0.0312	3.1124	0.0192	3.1316	0.8256	0.0177	0.8432		3,094.2459	3,094.2459	0.1324		3,097.5563
Total	2.4230	12.0359	18.5197	0.0594	3.7201	0.0383	3.7584	1.0006	0.0360	1.0366		6,052.0900	6,052.0900	0.3586		6,061.0552

Mitigated Construction On-Site

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

Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3321	10.7780	2.4059	0.0283	0.6077	0.0191	0.6268	0.1751	0.0183	0.1934		2,957.8441	2,957.8441	0.2262		2,963.4989
Worker	2.0909	1.2580	16.1138	0.0312	3.1124	0.0192	3.1316	0.8256	0.0177	0.8432		3,094.2459	3,094.2459	0.1324		3,097.5563
Total	2.4230	12.0359	18.5197	0.0594	3.7201	0.0383	3.7584	1.0006	0.0360	1.0366		6,052.0900	6,052.0900	0.3586		6,061.0552

3.3 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	274.7443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	274.9632	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4159	0.2502	3.2054	6.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		615.5220	615.5220	0.0263		616.1806
Total	0.4159	0.2502	3.2054	6.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		615.5220	615.5220	0.0263		616.1806

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	274.7443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	274.8037	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

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

Worker	0.4159	0.2502	3.2054	6.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		615.5220	615.5220	0.0263		616.1806
Total	0.4159	0.2502	3.2054	6.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		615.5220	615.5220	0.0263		616.1806

3.4 Paving - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015

Section 31 Specific Plan Project (Year 2 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 2 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410
Apartments Mid Rise	114.00	Dwelling Unit	3.00	114,000.00	368
Hotel	400.00	Room	13.33	580,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 2 construction schedule anticipated to start 1/2/2021 and end 12/31/2021.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	45.00
tblConstructionPhase	NumDays	1,110.00	260.00
tblConstructionPhase	NumDays	75.00	24.00

tblConstructionPhase	PhaseEndDate	10/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	4/4/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	7/18/2025	12/31/2021
tblConstructionPhase	PhaseStartDate	7/19/2025	10/31/2021
tblConstructionPhase	PhaseStartDate	4/5/2025	11/30/2021
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	WD_TR	9.52	9.44
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	280.6139	44.1722	50.1831	0.1119	4.4647	1.7743	6.2390	1.1981	1.6600	2.8581	0.0000	11,072.8529	11,072.8529	1.7336	0.0000	11,116.1933
Maximum	280.6139	44.1722	50.1831	0.1119	4.4647	1.7743	6.2390	1.1981	1.6600	2.8581	0.0000	11,072.8529	11,072.8529	1.7336	0.0000	11,116.1933

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	278.5328	39.1725	54.1390	0.1119	4.4647	0.2850	4.7497	1.1981	0.2823	1.4804	0.0000	11,072.8529	11,072.8529	1.7336	0.0000	11,116.1933
Maximum	278.5328	39.1725	54.1390	0.1119	4.4647	0.2850	4.7497	1.1981	0.2823	1.4804	0.0000	11,072.8529	11,072.8529	1.7336	0.0000	11,116.1933

	ROG	NOx	CO	SO2	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	0.74	11.32	-7.88	0.00	0.00	83.94	23.87	0.00	83.00	48.20	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	Building Construction	Building Construction	1/2/2021	12/31/2021	5	260	
2	Architectural Coating	Architectural Coating	10/31/2021	12/31/2021	5	45	
3	Paving	Paving	11/30/2021	12/31/2021	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 693,765; Residential Outdoor: 231,255; Non-Residential Indoor: 871,200; Non-Residential Outdoor: 290,400; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	372.00	121.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3511	10.6890	2.8844	0.0268	0.6077	0.0201	0.6277	0.1751	0.0192	0.1943		2,808.8603	2,808.8603	0.2545		2,815.2232
Worker	1.7294	1.2953	11.5012	0.0261	3.1124	0.0192	3.1316	0.8256	0.0177	0.8432		2,599.9409	2,599.9409	0.1048		2,602.5617
Total	2.0805	11.9843	14.3855	0.0530	3.7201	0.0392	3.7593	1.0006	0.0368	1.0375		5,408.8012	5,408.8012	0.3594		5,417.7850

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3511	10.6890	2.8844	0.0268	0.6077	0.0201	0.6277	0.1751	0.0192	0.1943		2,808.8603	2,808.8603	0.2545		2,815.2232
Worker	1.7294	1.2953	11.5012	0.0261	3.1124	0.0192	3.1316	0.8256	0.0177	0.8432		2,599.9409	2,599.9409	0.1048		2,602.5617
Total	2.0805	11.9843	14.3855	0.0530	3.7201	0.0392	3.7593	1.0006	0.0368	1.0375		5,408.8012	5,408.8012	0.3594		5,417.7850

3.3 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	274.7443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	274.9632	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.3440	0.2577	2.2879	5.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		517.1925	517.1925	0.0209		517.7139
Total	0.3440	0.2577	2.2879	5.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		517.1925	517.1925	0.0209		517.7139

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	274.7443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	274.8037	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3440	0.2577	2.2879	5.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		517.1925	517.1925	0.0209		517.7139
Total	0.3440	0.2577	2.2879	5.2000e-003	0.6191	3.8200e-003	0.6230	0.1642	3.5100e-003	0.1677		517.1925	517.1925	0.0209		517.7139

3.4 Paving - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420

Mitigated Construction On-Site

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

Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420

APPENDIX C.4

Year 3 (Construction)

Section 31 Specific Plan Project (Year 3 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 3 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	82.00	Dwelling Unit	2.16	82,000.00	265
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 3 construction schedule anticipated to start 1/2/2022 and end 12/31/2022.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	45.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	23.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	2.2531	2.4763	2.8471	5.5200e-003	0.1324	0.1146	0.2470	0.0355	0.1078	0.1433	0.0000	485.5482	485.5482	0.0884	0.0000	487.7571
Maximum	2.2531	2.4763	2.8471	5.5200e-003	0.1324	0.1146	0.2470	0.0355	0.1078	0.1433	0.0000	485.5482	485.5482	0.0884	0.0000	487.7571

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	2.1094	2.2964	3.0751	5.5200e-003	0.1324	0.0201	0.1525	0.0355	0.0200	0.0555	0.0000	485.5478	485.5478	0.0884	0.0000	487.7567
Maximum	2.1094	2.2964	3.0751	5.5200e-003	0.1324	0.0201	0.1525	0.0355	0.0200	0.0555	0.0000	485.5478	485.5478	0.0884	0.0000	487.7567

	ROG	NOx	CO	SO2	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	6.38	7.26	-8.01	0.00	0.00	82.48	38.27	0.00	81.43	61.27	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2022	4-1-2022	0.6432	0.5653
2	4-2-2022	7-1-2022	0.6535	0.5748
3	7-2-2022	9-30-2022	0.6535	0.5748
		Highest	0.6535	0.5748

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2022	12/31/2022	5	260	
2	Architectural Coating	Architectural Coating	10/31/2022	12/31/2022	5	45	
3	Paving	Paving	11/30/2022	12/31/2022	5	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 628,965; Residential Outdoor: 209,655; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	105.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3800e-003	0.2421	0.0565	6.5000e-004	0.0142	3.9000e-004	0.0146	4.1000e-003	3.7000e-004	4.4700e-003	0.0000	61.5598	61.5598	4.7400e-003	0.0000	61.6782
Worker	0.0603	0.0425	0.4344	9.9000e-004	0.1129	6.8000e-004	0.1135	0.0300	6.3000e-004	0.0306	0.0000	89.7292	89.7292	3.4600e-003	0.0000	89.8157

Total	0.0677	0.2846	0.4909	1.6400e-003	0.1271	1.0700e-003	0.1281	0.0341	1.0000e-003	0.0351	0.0000	151.2890	151.2890	8.2000e-003	0.0000	151.4939
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3800e-003	0.2421	0.0565	6.5000e-004	0.0142	3.9000e-004	0.0146	4.1000e-003	3.7000e-004	4.4700e-003	0.0000	61.5598	61.5598	4.7400e-003	0.0000	61.6782
Worker	0.0603	0.0425	0.4344	9.9000e-004	0.1129	6.8000e-004	0.1135	0.0300	6.3000e-004	0.0306	0.0000	89.7292	89.7292	3.4600e-003	0.0000	89.8157
Total	0.0677	0.2846	0.4909	1.6400e-003	0.1271	1.0700e-003	0.1281	0.0341	1.0000e-003	0.0351	0.0000	151.2890	151.2890	8.2000e-003	0.0000	151.4939

3.3 Architectural Coating - 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					
Archit. Coating	1.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-003	0.0317	0.0408	7.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	5.7448	5.7448	3.7000e-004	0.0000	5.7542
Total	1.9481	0.0317	0.0408	7.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	5.7448	5.7448	3.7000e-004	0.0000	5.7542

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0900e-003	1.4700e-003	0.0150	3.0000e-005	3.9100e-003	2.0000e-005	3.9300e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.1060	3.1060	1.2000e-004	0.0000	3.1090
Total	2.0900e-003	1.4700e-003	0.0150	3.0000e-005	3.9100e-003	2.0000e-005	3.9300e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.1060	3.1060	1.2000e-004	0.0000	3.1090

Mitigated Construction On-Site

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

Archit. Coating	1.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	0.0305	0.0412	7.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	5.7448	5.7448	3.7000e-004	0.0000	5.7542
Total	1.9448	0.0305	0.0412	7.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	5.7448	5.7448	3.7000e-004	0.0000	5.7542

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0900e-003	1.4700e-003	0.0150	3.0000e-005	3.9100e-003	2.0000e-005	3.9300e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.1060	3.1060	1.2000e-004	0.0000	3.1090
Total	2.0900e-003	1.4700e-003	0.0150	3.0000e-005	3.9100e-003	2.0000e-005	3.9300e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.1060	3.1060	1.2000e-004	0.0000	3.1090

3.4 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	0.0127	0.1279	0.1677	2.6000e-004		6.5300e-003	6.5300e-003		6.0100e-003	6.0100e-003	0.0000	23.0317	23.0317	7.4500e-003	0.0000	23.2179
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0127	0.1279	0.1677	2.6000e-004		6.5300e-003	6.5300e-003		6.0100e-003	6.0100e-003	0.0000	23.0317	23.0317	7.4500e-003	0.0000	23.2179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.4000e-004	5.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1339	1.1339	4.0000e-005	0.0000	1.1350
Total	7.6000e-004	5.4000e-004	5.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1339	1.1339	4.0000e-005	0.0000	1.1350

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	6.4500e-003	0.1299	0.1989	2.6000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	23.0317	23.0317	7.4500e-003	0.0000	23.2179
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4500e-003	0.1299	0.1989	2.6000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	23.0317	23.0317	7.4500e-003	0.0000	23.2179

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.4000e-004	5.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1339	1.1339	4.0000e-005	0.0000	1.1350
Total	7.6000e-004	5.4000e-004	5.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1339	1.1339	4.0000e-005	0.0000	1.1350

Section 31 Specific Plan Project (Year 3 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 3 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	82.00	Dwelling Unit	2.16	82,000.00	265
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 3 construction schedule anticipated to start 1/2/2022 and end 12/31/2022.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	45.00

tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	23.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	90.1860	30.4408	38.7818	0.0692	1.2902	1.4686	2.7588	0.3447	1.3746	1.7194	0.0000	6,706.6072	6,706.6072	1.4280	0.0000	6,742.3076
Maximum	90.1860	30.4408	38.7818	0.0692	1.2902	1.4686	2.7588	0.3447	1.3746	1.7194	0.0000	6,706.6072	6,706.6072	1.4280	0.0000	6,742.3076

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	88.4667	29.1700	43.0262	0.0692	1.2902	0.2511	1.5413	0.3447	0.2505	0.5952	0.0000	6,706.6072	6,706.6072	1.4280	0.0000	6,742.3076
Maximum	88.4667	29.1700	43.0262	0.0692	1.2902	0.2511	1.5413	0.3447	0.2505	0.5952	0.0000	6,706.6072	6,706.6072	1.4280	0.0000	6,742.3076

	ROG	NOx	CO	SO2	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	1.91	4.17	-10.94	0.00	0.00	82.90	44.13	0.00	81.78	65.38	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	Building Construction	Building Construction	1/2/2022	12/31/2022	5	260	
2	Architectural Coating	Architectural Coating	10/31/2022	12/31/2022	5	45	
3	Paving	Paving	11/30/2022	12/31/2022	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 628,965; Residential Outdoor: 209,655; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	105.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333	2,554.3336	0.6120		2,569.632
												6				2

Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0561	1.8572	0.4024	5.0900e-003	0.1105	2.9100e-003	0.1134	0.0318	2.7800e-003	0.0346		533.3419	533.3419	0.0382		534.2960
Worker	0.5500	0.3236	4.1866	8.4700e-003	0.8785	5.2400e-003	0.8837	0.2330	4.8200e-003	0.2378		841.3578	841.3578	0.0340		842.2065
Total	0.6060	2.1808	4.5889	0.0136	0.9890	8.1500e-003	0.9971	0.2649	7.6000e-003	0.2725		1,374.6997	1,374.6997	0.0721		1,376.5024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0561	1.8572	0.4024	5.0900e-003	0.1105	2.9100e-003	0.1134	0.0318	2.7800e-003	0.0346		533.3419	533.3419	0.0382		534.2960
Worker	0.5500	0.3236	4.1866	8.4700e-003	0.8785	5.2400e-003	0.8837	0.2330	4.8200e-003	0.2378		841.3578	841.3578	0.0340		842.2065
Total	0.6060	2.1808	4.5889	0.0136	0.9890	8.1500e-003	0.9971	0.2649	7.6000e-003	0.2725		1,374.6997	1,374.6997	0.0721		1,376.5024

3.3 Architectural Coating - 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					
Archit. Coating	86.3779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	86.5824	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1100	0.0647	0.8373	1.6900e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		168.2716	168.2716	6.7900e-003		168.4413

Total	0.1100	0.0647	0.8373	1.6900e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		168.2716	168.2716	6.7900e-003		168.4413
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	86.3779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0183		281.9062
Total	86.4373	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1100	0.0647	0.8373	1.6900e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		168.2716	168.2716	6.7900e-003		168.4413
Total	0.1100	0.0647	0.8373	1.6900e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		168.2716	168.2716	6.7900e-003		168.4413

3.4 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
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Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152

Section 31 Specific Plan Project (Year 3 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 3 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	82.00	Dwelling Unit	2.16	82,000.00	265
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 3 construction schedule anticipated to start 1/2/2022 and end 12/31/2022.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -
- Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.
- Area Mitigation -
- Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	45.00

tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	23.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	90.0647	30.4341	37.2452	0.0671	1.2902	1.4687	2.7589	0.3447	1.3748	1.7195	0.0000	6,499.1737	6,499.1737	1.4235	0.0000	6,534.7610
Maximum	90.0647	30.4341	37.2452	0.0671	1.2902	1.4687	2.7589	0.3447	1.3748	1.7195	0.0000	6,499.1737	6,499.1737	1.4235	0.0000	6,534.7610

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	88.3454	29.1634	41.4895	0.0671	1.2902	0.2513	1.5415	0.3447	0.2506	0.5953	0.0000	6,499.1737	6,499.1737	1.4235	0.0000	6,534.7610
Maximum	88.3454	29.1634	41.4895	0.0671	1.2902	0.2513	1.5415	0.3447	0.2506	0.5953	0.0000	6,499.1737	6,499.1737	1.4235	0.0000	6,534.7610

	ROG	NOx	CO	SO2	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	1.91	4.18	-11.40	0.00	0.00	82.89	44.13	0.00	81.77	65.38	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	Building Construction	Building Construction	1/2/2022	12/31/2022	5	260	
2	Architectural Coating	Architectural Coating	10/31/2022	12/31/2022	5	45	
3	Paving	Paving	11/30/2022	12/31/2022	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 628,965; Residential Outdoor: 209,655; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	105.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333	2,554.3336	0.6120		2,569.632
												6				2

Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0594	1.8382	0.4849	4.8400e-003	0.1105	3.0700e-003	0.1136	0.0318	2.9300e-003	0.0348		506.3014	506.3014	0.0430		507.3769
Worker	0.4572	0.3328	2.9808	7.1100e-003	0.8785	5.2400e-003	0.8837	0.2330	4.8200e-003	0.2378		707.0226	707.0226	0.0270		707.6966
Total	0.5165	2.1710	3.4657	0.0120	0.9890	8.3100e-003	0.9973	0.2649	7.7500e-003	0.2726		1,213.3240	1,213.3240	0.0700		1,215.0735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0594	1.8382	0.4849	4.8400e-003	0.1105	3.0700e-003	0.1136	0.0318	2.9300e-003	0.0348		506.3014	506.3014	0.0430		507.3769
Worker	0.4572	0.3328	2.9808	7.1100e-003	0.8785	5.2400e-003	0.8837	0.2330	4.8200e-003	0.2378		707.0226	707.0226	0.0270		707.6966
Total	0.5165	2.1710	3.4657	0.0120	0.9890	8.3100e-003	0.9973	0.2649	7.7500e-003	0.2726		1,213.3240	1,213.3240	0.0700		1,215.0735

3.3 Architectural Coating - 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					
Archit. Coating	86.3779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	86.5824	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0914	0.0666	0.5962	1.4200e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		141.4045	141.4045	5.3900e-003		141.5393

Total	0.0914	0.0666	0.5962	1.4200e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		141.4045	141.4045	5.3900e-003		141.5393
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	86.3779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0183		281.9062
Total	86.4373	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0914	0.0666	0.5962	1.4200e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		141.4045	141.4045	5.3900e-003		141.5393
Total	0.0914	0.0666	0.5962	1.4200e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		141.4045	141.4045	5.3900e-003		141.5393

3.4 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
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Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995

APPENDIX C.5

Year 4 (Construction)

Section 31 Specific Plan Project (Year 4 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 4 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	92.00	Dwelling Unit	2.42	92,000.00	297
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 4 construction schedule anticipated to start 1/2/2023 and end 12/31/2023.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	22.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	3.5508	2.5217	3.0965	6.9100e-003	0.2217	0.0996	0.3213	0.0596	0.0937	0.1533	0.0000	615.1062	615.1062	0.0924	0.0000	617.4156
Maximum	3.5508	2.5217	3.0965	6.9100e-003	0.2217	0.0996	0.3213	0.0596	0.0937	0.1533	0.0000	615.1062	615.1062	0.0924	0.0000	617.4156

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	3.4258	2.5144	3.3386	6.9100e-003	0.2217	0.0204	0.2421	0.0596	0.0203	0.0799	0.0000	615.1058	615.1058	0.0924	0.0000	617.4152
Maximum	3.4258	2.5144	3.3386	6.9100e-003	0.2217	0.0204	0.2421	0.0596	0.0203	0.0799	0.0000	615.1058	615.1058	0.0924	0.0000	617.4152

	ROG	NOx	CO	SO2	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	3.52	0.29	-7.82	0.00	0.00	79.52	24.65	0.00	78.33	47.86	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	0.6632	0.6292

2	4-2-2023	7-1-2023	0.6759	0.6415
3	7-2-2023	9-30-2023	0.6759	0.6415
		Highest	0.6759	0.6415

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2023	12/31/2023	5	260	
2	Architectural Coating	Architectural Coating	10/31/2023	12/31/2023	5	44	
3	Paving	Paving	11/30/2023	12/31/2023	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 649,215; Residential Outdoor: 216,405; Non-Residential Indoor: 262,500; Non-Residential Outdoor: 87,500; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	168.00	52.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Unmitigated Construction Off-Site

Vendor	0.0137	0.4461	0.1161	1.5000e-003	0.0336	3.6000e-004	0.0340	9.7000e-003	3.5000e-004	0.0100	0.0000	142.2258	142.2258	7.9500e-003	0.0000	142.4246
Worker	0.0904	0.0622	0.6415	1.5300e-003	0.1806	1.0600e-003	0.1816	0.0479	9.7000e-004	0.0489	0.0000	138.1139	138.1139	5.0600e-003	0.0000	138.2405
Total	0.1042	0.5083	0.7577	3.0300e-003	0.2142	1.4200e-003	0.2156	0.0576	1.3200e-003	0.0590	0.0000	280.3396	280.3396	0.0130	0.0000	280.6651

3.3 Architectural Coating - 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					
Archit. Coating	3.2228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2200e-003	0.0287	0.0398	7.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	5.6172	5.6172	3.4000e-004	0.0000	5.6256
Total	3.2270	0.0287	0.0398	7.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	5.6172	5.6172	3.4000e-004	0.0000	5.6256

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-003	2.1300e-003	0.0220	5.0000e-005	6.1800e-003	4.0000e-005	6.2200e-003	1.6400e-003	3.0000e-005	1.6800e-003	0.0000	4.7303	4.7303	1.7000e-004	0.0000	4.7346
Total	3.1000e-003	2.1300e-003	0.0220	5.0000e-005	6.1800e-003	4.0000e-005	6.2200e-003	1.6400e-003	3.0000e-005	1.6800e-003	0.0000	4.7303	4.7303	1.7000e-004	0.0000	4.7346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.4000e-004	0.0000	5.6256
Total	3.2241	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.4000e-004	0.0000	5.6256

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-003	2.1300e-003	0.0220	5.0000e-005	6.1800e-003	4.0000e-005	6.2200e-003	1.6400e-003	3.0000e-005	1.6800e-003	0.0000	4.7303	4.7303	1.7000e-004	0.0000	4.7346
Total	3.1000e-003	2.1300e-003	0.0220	5.0000e-005	6.1800e-003	4.0000e-005	6.2200e-003	1.6400e-003	3.0000e-005	1.6800e-003	0.0000	4.7303	4.7303	1.7000e-004	0.0000	4.7346

3.4 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
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Total	6.1700e-003	0.1243	0.1903	2.5000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	22.0295	22.0295	7.1200e-003	0.0000	22.2077
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.7000e-004	4.8500e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0434	1.0434	4.0000e-005	0.0000	1.0444
Total	6.8000e-004	4.7000e-004	4.8500e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0434	1.0434	4.0000e-005	0.0000	1.0444

Section 31 Specific Plan Project (Year 4 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 4 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	92.00	Dwelling Unit	2.42	92,000.00	297
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 4 construction schedule anticipated to start 1/2/2023 and end 12/31/2023.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	22.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2023	150.4543	29.9289	41.4654	0.0813	2.0767	1.2940	3.3707	0.5568	1.2109	1.7677	0.0000	7,948.9323	7,948.9323	1.4668	0.0000	7,985.6011
Maximum	150.4543	29.9289	41.4654	0.0813	2.0767	1.2940	3.3707	0.5568	1.2109	1.7677	0.0000	7,948.9323	7,948.9323	1.4668	0.0000	7,985.6011

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	148.9514	30.9277	45.8279	0.0813	2.0767	0.2544	2.3312	0.5568	0.2535	0.8103	0.0000	7,948.9323	7,948.9323	1.4668	0.0000	7,985.6011
Maximum	148.9514	30.9277	45.8279	0.0813	2.0767	0.2544	2.3312	0.5568	0.2535	0.8103	0.0000	7,948.9323	7,948.9323	1.4668	0.0000	7,985.6011

	ROG	NOx	CO	SO2	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	1.00	-3.34	-10.52	0.00	0.00	80.34	30.84	0.00	79.07	54.16	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	Building Construction	Building Construction	1/2/2023	12/31/2023	5	260	
2	Architectural Coating	Architectural Coating	10/31/2023	12/31/2023	5	44	
3	Paving	Paving	11/30/2023	12/31/2023	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 649,215; Residential Outdoor: 216,405; Non-Residential Indoor: 262,500; Non-Residential Outdoor: 87,500; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	168.00	52.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1048	3.4373	0.8370	0.0118	0.2611	2.7400e-003	0.2639	0.0752	2.6100e-003	0.0779		1,232.0227	1,232.0227	0.0642		1,233.6277
Worker	0.8231	0.4739	6.1851	0.0130	1.4056	8.1400e-003	1.4137	0.3728	7.4900e-003	0.3803		1,294.9684	1,294.9684	0.0495		1,296.2050
Total	0.9279	3.9112	7.0220	0.0248	1.6667	0.0109	1.6776	0.4481	0.0101	0.4582		2,526.9911	2,526.9911	0.1137		2,529.8327

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1048	3.4373	0.8370	0.0118	0.2611	2.7400e-003	0.2639	0.0752	2.6100e-003	0.0779		1,232.0227	1,232.0227	0.0642		1,233.6277
Worker	0.8231	0.4739	6.1851	0.0130	1.4056	8.1400e-003	1.4137	0.3728	7.4900e-003	0.3803		1,294.9684	1,294.9684	0.0495		1,296.2050
Total	0.9279	3.9112	7.0220	0.0248	1.6667	0.0109	1.6776	0.4481	0.0101	0.4582		2,526.9911	2,526.9911	0.1137		2,529.8327

3.3 Architectural Coating - 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					
Archit. Coating	146.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	146.6808	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.1666	0.0959	1.2517	2.6400e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		262.0769	262.0769	0.0100		262.3272
Total	0.1666	0.0959	1.2517	2.6400e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		262.0769	262.0769	0.0100		262.3272

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	146.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690
Total	146.5486	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1666	0.0959	1.2517	2.6400e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		262.0769	262.0769	0.0100		262.3272
Total	0.1666	0.0959	1.2517	2.6400e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		262.0769	262.0769	0.0100		262.3272

3.4 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0735	0.0423	0.5522	1.1600e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		115.6222	115.6222	4.4200e-003		115.7326
Total	0.0735	0.0423	0.5522	1.1600e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		115.6222	115.6222	4.4200e-003		115.7326

Mitigated Construction On-Site

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

Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0735	0.0423	0.5522	1.1600e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		115.6222	115.6222	4.4200e-003		115.7326
Total	0.0735	0.0423	0.5522	1.1600e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		115.6222	115.6222	4.4200e-003		115.7326

Section 31 Specific Plan Project (Year 4 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 4 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	92.00	Dwelling Unit	2.42	92,000.00	297
Single Family Housing	127.00	Dwelling Unit	41.23	228,600.00	410
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 4 construction schedule anticipated to start 1/2/2023 and end 12/31/2023.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	22.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2023	150.2846	29.8967	39.2996	0.0780	2.0767	1.2941	3.3708	0.5568	1.2110	1.7678	0.0000	7,620.0090	7,620.0090	1.4617	0.0000	7,656.5510
Maximum	150.2846	29.8967	39.2996	0.0780	2.0767	1.2941	3.3708	0.5568	1.2110	1.7678	0.0000	7,620.0090	7,620.0090	1.4617	0.0000	7,656.5510

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	148.7817	30.8955	43.6622	0.0780	2.0767	0.2546	2.3313	0.5568	0.2536	0.8104	0.0000	7,620.0090	7,620.0090	1.4617	0.0000	7,656.5510
Maximum	148.7817	30.8955	43.6622	0.0780	2.0767	0.2546	2.3313	0.5568	0.2536	0.8104	0.0000	7,620.0090	7,620.0090	1.4617	0.0000	7,656.5510

	ROG	NOx	CO	SO2	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	1.00	-3.34	-11.10	0.00	0.00	80.33	30.84	0.00	79.06	54.16	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	Building Construction	Building Construction	1/2/2023	12/31/2023	5	260	
2	Architectural Coating	Architectural Coating	10/31/2023	12/31/2023	5	44	
3	Paving	Paving	11/30/2023	12/31/2023	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 649,215; Residential Outdoor: 216,405; Non-Residential Indoor: 262,500; Non-Residential Outdoor: 87,500; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	168.00	52.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1103	3.3884	0.9844	0.0112	0.2611	2.8400e-003	0.2640	0.0752	2.7100e-003	0.0780		1,170.0091	1,170.0091	0.0721		1,171.8117
Worker	0.6874	0.4868	4.3943	0.0109	1.4056	8.1400e-003	1.4137	0.3728	7.4900e-003	0.3803		1,088.3286	1,088.3286	0.0394		1,089.3141
Total	0.7978	3.8752	5.3786	0.0221	1.6667	0.0110	1.6777	0.4481	0.0102	0.4583		2,258.3377	2,258.3377	0.1115		2,261.1258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1103	3.3884	0.9844	0.0112	0.2611	2.8400e-003	0.2640	0.0752	2.7100e-003	0.0780		1,170.0091	1,170.0091	0.0721		1,171.8117
Worker	0.6874	0.4868	4.3943	0.0109	1.4056	8.1400e-003	1.4137	0.3728	7.4900e-003	0.3803		1,088.3286	1,088.3286	0.0394		1,089.3141
Total	0.7978	3.8752	5.3786	0.0221	1.6667	0.0110	1.6777	0.4481	0.0102	0.4583		2,258.3377	2,258.3377	0.1115		2,261.1258

3.3 Architectural Coating - 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					
Archit. Coating	146.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	146.6808	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.1391	0.0985	0.8893	2.2100e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		220.2570	220.2570	7.9800e-003		220.4564
Total	0.1391	0.0985	0.8893	2.2100e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		220.2570	220.2570	7.9800e-003		220.4564

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	146.4892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690
Total	146.5486	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1391	0.0985	0.8893	2.2100e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		220.2570	220.2570	7.9800e-003		220.4564
Total	0.1391	0.0985	0.8893	2.2100e-003	0.2845	1.6500e-003	0.2861	0.0755	1.5200e-003	0.0770		220.2570	220.2570	7.9800e-003		220.4564

3.4 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0435	0.3924	9.8000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		97.1722	97.1722	3.5200e-003		97.2602
Total	0.0614	0.0435	0.3924	9.8000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		97.1722	97.1722	3.5200e-003		97.2602

Mitigated Construction On-Site

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

Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0435	0.3924	9.8000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		97.1722	97.1722	3.5200e-003		97.2602
Total	0.0614	0.0435	0.3924	9.8000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		97.1722	97.1722	3.5200e-003		97.2602

APPENDIX C.6

Year 5 (Construction)

Section 31 Specific Plan Project (Year 5 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 5 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	120.00	Dwelling Unit	38.96	216,000.00	388

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 5 construction schedule anticipated to start 1/2/2024 and end 12/31/2024.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	261.00
tblConstructionPhase	NumDays	55.00	22.00
tblConstructionPhase	PhaseEndDate	4/5/2027	12/31/2024
tblConstructionPhase	PhaseEndDate	11/2/2026	12/31/2024
tblConstructionPhase	PhaseEndDate	1/18/2027	12/31/2024
tblConstructionPhase	PhaseStartDate	1/19/2027	10/31/2024
tblConstructionPhase	PhaseStartDate	11/3/2026	11/30/2024
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	2.2050	2.1228	2.7761	5.5200e-003	0.1390	0.0874	0.2264	0.0372	0.0822	0.1194	0.0000	485.4211	485.4211	0.0857	0.0000	487.5632
Maximum	2.2050	2.1228	2.7761	5.5200e-003	0.1390	0.0874	0.2264	0.0372	0.0822	0.1194	0.0000	485.4211	485.4211	0.0857	0.0000	487.5632

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	2.0962	2.2444	3.0282	5.5200e-003	0.1390	0.0209	0.1599	0.0372	0.0209	0.0581	0.0000	485.4207	485.4207	0.0857	0.0000	487.5628
Maximum	2.0962	2.2444	3.0282	5.5200e-003	0.1390	0.0209	0.1599	0.0372	0.0209	0.0581	0.0000	485.4207	485.4207	0.0857	0.0000	487.5628

	ROG	NOx	CO	SO2	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	4.93	-5.73	-9.08	0.00	0.00	76.07	29.38	0.00	74.63	51.36	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2024	4-1-2024	0.5583	0.5578
2	4-2-2024	7-1-2024	0.5613	0.5608

3	7-2-2024	9-30-2024	0.5613	0.5608
		Highest	0.5613	0.5608

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2024	12/31/2024	5	261	
2	Architectural Coating	Architectural Coating	10/31/2024	12/31/2024	5	44	
3	Paving	Paving	11/30/2024	12/31/2024	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 625,725; Residential Outdoor: 208,575; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	110.00	23.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7544	2.1098	3.5200e-003		0.0800	0.0800		0.0753	0.0753	0.0000	302.5631	302.5631	0.0716	0.0000	304.3518
Total	0.1920	1.7544	2.1098	3.5200e-003		0.0800	0.0800		0.0753	0.0753	0.0000	302.5631	302.5631	0.0716	0.0000	304.3518

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
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9400e-003	0.1973	0.0492	6.6000e-004	0.0149	1.6000e-004	0.0151	4.3100e-003	1.5000e-004	4.4600e-003	0.0000	62.9333	62.9333	3.4200e-003	0.0000	63.0187
Worker	0.0561	0.0379	0.3984	9.8000e-004	0.1187	7.0000e-004	0.1194	0.0315	6.4000e-004	0.0322	0.0000	88.2869	88.2869	3.1300e-003	0.0000	88.3652
Total	0.0621	0.2351	0.4476	1.6400e-003	0.1336	8.6000e-004	0.1345	0.0358	7.9000e-004	0.0366	0.0000	151.2202	151.2202	6.5500e-003	0.0000	151.3840

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.5627	302.5627	0.0716	0.0000	304.3514
Total	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.5627	302.5627	0.0716	0.0000	304.3514

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9400e-003	0.1973	0.0492	6.6000e-004	0.0149	1.6000e-004	0.0151	4.3100e-003	1.5000e-004	4.4600e-003	0.0000	62.9333	62.9333	3.4200e-003	0.0000	63.0187
Worker	0.0561	0.0379	0.3984	9.8000e-004	0.1187	7.0000e-004	0.1194	0.0315	6.4000e-004	0.0322	0.0000	88.2869	88.2869	3.1300e-003	0.0000	88.3652

Total	0.0621	0.2351	0.4476	1.6400e-003	0.1336	8.6000e-004	0.1345	0.0358	7.9000e-004	0.0366	0.0000	151.2202	151.2202	6.5500e-003	0.0000	151.3840
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3.3 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.9335						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0268	0.0398	7.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	5.6172	5.6172	3.2000e-004	0.0000	5.6251
Total	1.9375	0.0268	0.0398	7.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	5.6172	5.6172	3.2000e-004	0.0000	5.6251

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8900e-003	1.2800e-003	0.0134	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.9767	2.9767	1.1000e-004	0.0000	2.9794
Total	1.8900e-003	1.2800e-003	0.0134	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.9767	2.9767	1.1000e-004	0.0000	2.9794

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.9335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0268	0.0398	7.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	5.6172	5.6172	3.2000e-004	0.0000	5.6251
Total	1.9375	0.0268	0.0398	7.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	5.6172	5.6172	3.2000e-004	0.0000	5.6251

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8900e-003	1.2800e-003	0.0134	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.9767	2.9767	1.1000e-004	0.0000	2.9794
Total	1.8900e-003	1.2800e-003	0.0134	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.9767	2.9767	1.1000e-004	0.0000	2.9794

3.4 Paving - 2024

Unmitigated Construction On-Site

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

Off-Road	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0109	0.1048	0.1609	2.5000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.4000e-004	4.5800e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0148	1.0148	4.0000e-005	0.0000	1.0157
Total	6.5000e-004	4.4000e-004	4.5800e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0148	1.0148	4.0000e-005	0.0000	1.0157

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	6.1700e-003	0.1243	0.1903	2.5000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.1700e-003	0.1243	0.1903	2.5000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	22.0292	22.0292	7.1200e-003	0.0000	22.2073

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.4000e-004	4.5800e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0148	1.0148	4.0000e-005	0.0000	1.0157
Total	6.5000e-004	4.4000e-004	4.5800e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0148	1.0148	4.0000e-005	0.0000	1.0157

Section 31 Specific Plan Project (Year 5 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 5 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	120.00	Dwelling Unit	38.96	216,000.00	388

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 5 construction schedule anticipated to start 1/2/2024 and end 12/31/2024.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	261.00
tblConstructionPhase	NumDays	55.00	22.00

tblConstructionPhase	PhaseEndDate	4/5/2027	12/31/2024
tblConstructionPhase	PhaseEndDate	11/2/2026	12/31/2024
tblConstructionPhase	PhaseEndDate	1/18/2027	12/31/2024
tblConstructionPhase	PhaseStartDate	1/19/2027	10/31/2024
tblConstructionPhase	PhaseStartDate	11/3/2026	11/30/2024
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2024	91.2500	26.0857	38.0744	0.0690	1.3454	1.1511	2.4965	0.3595	1.0766	1.4361	0.0000	6,689.6661	6,689.6661	1.4023	0.0000	6,724.7237
Maximum	91.2500	26.0857	38.0744	0.0690	1.3454	1.1511	2.4965	0.3595	1.0766	1.4361	0.0000	6,689.6661	6,689.6661	1.4023	0.0000	6,724.7237

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	90.0251	28.6387	42.4513	0.0690	1.3454	0.2962	1.6416	0.3595	0.2956	0.6551	0.0000	6,689.6661	6,689.6661	1.4023	0.0000	6,724.7237
Maximum	90.0251	28.6387	42.4513	0.0690	1.3454	0.2962	1.6416	0.3595	0.2956	0.6551	0.0000	6,689.6661	6,689.6661	1.4023	0.0000	6,724.7237

	ROG	NOx	CO	SO2	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	1.34	-9.79	-11.50	0.00	0.00	74.27	34.24	0.00	72.55	54.39	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	Building Construction	Building Construction	1/2/2024	12/31/2024	5	261	
2	Architectural Coating	Architectural Coating	10/31/2024	12/31/2024	5	44	
3	Paving	Paving	11/30/2024	12/31/2024	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0451	1.5144	0.3527	5.1800e-003	0.1155	1.2000e-003	0.1167	0.0333	1.1500e-003	0.0344		542.9607	542.9607	0.0275		543.6475
Worker	0.5077	0.2875	3.8305	8.2900e-003	0.9203	5.3300e-003	0.9257	0.2441	4.9100e-003	0.2490		824.6343	824.6343	0.0304		825.3951
Total	0.5528	1.8019	4.1833	0.0135	1.0358	6.5300e-003	1.0424	0.2774	6.0600e-003	0.2834		1,367.5950	1,367.5950	0.0579		1,369.0426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0451	1.5144	0.3527	5.1800e-003	0.1155	1.2000e-003	0.1167	0.0333	1.1500e-003	0.0344		542.9607	542.9607	0.0275		543.6475
Worker	0.5077	0.2875	3.8305	8.2900e-003	0.9203	5.3300e-003	0.9257	0.2441	4.9100e-003	0.2490		824.6343	824.6343	0.0304		825.3951
Total	0.5528	1.8019	4.1833	0.0135	1.0358	6.5300e-003	1.0424	0.2774	6.0600e-003	0.2834		1,367.5950	1,367.5950	0.0579		1,369.0426

3.3 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	87.8859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	88.0667	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

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

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	0.1015	0.0575	0.7661	1.6600e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		164.9269	164.9269	6.0900e-003		165.0790
Total	0.1015	0.0575	0.7661	1.6600e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		164.9269	164.9269	6.0900e-003		165.0790

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	87.8859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	88.0667	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1015	0.0575	0.7661	1.6600e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		164.9269	164.9269	6.0900e-003		165.0790
Total	0.1015	0.0575	0.7661	1.6600e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		164.9269	164.9269	6.0900e-003		165.0790

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0392	0.5224	1.1300e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		112.4501	112.4501	4.1500e-003		112.5539
Total	0.0692	0.0392	0.5224	1.1300e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		112.4501	112.4501	4.1500e-003		112.5539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.547 2	2,207.5472	0.7140		2,225.396 3
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0392	0.5224	1.1300e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		112.4501	112.4501	4.1500e-003		112.5539
Total	0.0692	0.0392	0.5224	1.1300e-003	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		112.4501	112.4501	4.1500e-003		112.5539

Section 31 Specific Plan Project (Year 5 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 5 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	120.00	Dwelling Unit	38.96	216,000.00	388

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 5 construction schedule anticipated to start 1/2/2024 and end 12/31/2024.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -
- Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.
- Area Mitigation -
- Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	261.00
tblConstructionPhase	NumDays	55.00	22.00

tblConstructionPhase	PhaseEndDate	4/5/2027	12/31/2024
tblConstructionPhase	PhaseEndDate	11/2/2026	12/31/2024
tblConstructionPhase	PhaseEndDate	1/18/2027	12/31/2024
tblConstructionPhase	PhaseStartDate	1/19/2027	10/31/2024
tblConstructionPhase	PhaseStartDate	11/3/2026	11/30/2024
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2024	91.1432	26.0741	36.6436	0.0670	1.3454	1.1511	2.4965	0.3595	1.0766	1.4361	0.0000	6,486.7200	6,486.7200	1.3975	0.0000	6,521.6573
Maximum	91.1432	26.0741	36.6436	0.0670	1.3454	1.1511	2.4965	0.3595	1.0766	1.4361	0.0000	6,486.7200	6,486.7200	1.3975	0.0000	6,521.6573

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	89.9183	28.6270	41.0204	0.0670	1.3454	0.2962	1.6416	0.3595	0.2956	0.6551	0.0000	6,486.7200	6,486.7200	1.3975	0.0000	6,521.6573
Maximum	89.9183	28.6270	41.0204	0.0670	1.3454	0.2962	1.6416	0.3595	0.2956	0.6551	0.0000	6,486.7200	6,486.7200	1.3975	0.0000	6,521.6573

	ROG	NOx	CO	SO2	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	1.34	-9.79	-11.94	0.00	0.00	74.27	34.24	0.00	72.54	54.38	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	Building Construction	Building Construction	1/2/2024	12/31/2024	5	261	
2	Architectural Coating	Architectural Coating	10/31/2024	12/31/2024	5	44	
3	Paving	Paving	11/30/2024	12/31/2024	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0475	1.4926	0.4163	4.9300e-003	0.1155	1.2500e-003	0.1167	0.0333	1.1900e-003	0.0345		515.8796	515.8796	0.0309		516.6513
Worker	0.4260	0.2951	2.7123	6.9600e-003	0.9203	5.3300e-003	0.9257	0.2441	4.9100e-003	0.2490		693.0346	693.0346	0.0243		693.6419
Total	0.4735	1.7877	3.1286	0.0119	1.0358	6.5800e-003	1.0424	0.2774	6.1000e-003	0.2835		1,208.9142	1,208.9142	0.0552		1,210.2931

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0475	1.4926	0.4163	4.9300e-003	0.1155	1.2500e-003	0.1167	0.0333	1.1900e-003	0.0345		515.8796	515.8796	0.0309		516.6513
Worker	0.4260	0.2951	2.7123	6.9600e-003	0.9203	5.3300e-003	0.9257	0.2441	4.9100e-003	0.2490		693.0346	693.0346	0.0243		693.6419
Total	0.4735	1.7877	3.1286	0.0119	1.0358	6.5800e-003	1.0424	0.2774	6.1000e-003	0.2835		1,208.9142	1,208.9142	0.0552		1,210.2931

3.3 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	87.8859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	88.0667	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

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

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	0.0852	0.0590	0.5425	1.3900e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		138.6069	138.6069	4.8600e-003		138.7284
Total	0.0852	0.0590	0.5425	1.3900e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		138.6069	138.6069	4.8600e-003		138.7284

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	87.8859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	88.0667	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0852	0.0590	0.5425	1.3900e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		138.6069	138.6069	4.8600e-003		138.7284
Total	0.0852	0.0590	0.5425	1.3900e-003	0.1841	1.0700e-003	0.1851	0.0488	9.8000e-004	0.0498		138.6069	138.6069	4.8600e-003		138.7284

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0402	0.3699	9.5000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		94.5047	94.5047	3.3100e-003		94.5875
Total	0.0581	0.0402	0.3699	9.5000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		94.5047	94.5047	3.3100e-003		94.5875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.547	2,207.5472	0.7140		2,225.396
												2				3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0402	0.3699	9.5000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		94.5047	94.5047	3.3100e-003		94.5875
Total	0.0581	0.0402	0.3699	9.5000e-004	0.1255	7.3000e-004	0.1262	0.0333	6.7000e-004	0.0340		94.5047	94.5047	3.3100e-003		94.5875

APPENDIX C.7

Year 6 (Construction)

Section 31 Specific Plan Project (Year 6 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 6 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	117.00	Dwelling Unit	37.99	210,600.00	378

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 6 construction schedule anticipated to start 1/2/2025 and end 12/31/2025.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	23.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	2.1520	1.9673	2.7287	5.4300e-003	0.1368	0.0754	0.2122	0.0366	0.0709	0.1075	0.0000	477.1910	477.1910	0.0848	0.0000	479.3106
Maximum	2.1520	1.9673	2.7287	5.4300e-003	0.1368	0.0754	0.2122	0.0366	0.0709	0.1075	0.0000	477.1910	477.1910	0.0848	0.0000	479.3106

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	2.0553	2.2315	2.9931	5.4300e-003	0.1368	0.0198	0.1566	0.0366	0.0198	0.0564	0.0000	477.1907	477.1907	0.0848	0.0000	479.3102
Maximum	2.0553	2.2315	2.9931	5.4300e-003	0.1368	0.0198	0.1566	0.0366	0.0198	0.0564	0.0000	477.1907	477.1907	0.0848	0.0000	479.3102

	ROG	NOx	CO	SO2	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	4.49	-13.43	-9.69	0.00	0.00	73.68	26.18	0.00	72.09	47.52	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2025	4-1-2025	0.5132	0.5473
2	4-2-2025	7-1-2025	0.5217	0.5562
3	7-2-2025	9-30-2025	0.5217	0.5562
		Highest	0.5217	0.5562

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2025	12/31/2025	5	260	
2	Architectural Coating	Architectural Coating	10/31/2025	12/31/2025	5	44	
3	Paving	Paving	11/30/2025	12/31/2025	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 614,790; Residential Outdoor: 204,930; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	109.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2025

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4700e-003	0.1860	0.0447	6.3000e-004	0.0142	1.5000e-004	0.0144	4.1000e-003	1.4000e-004	4.2500e-003	0.0000	59.5189	59.5189	3.1400e-003	0.0000	59.5974
Worker	0.0523	0.0348	0.3686	9.3000e-004	0.1171	6.7000e-004	0.1178	0.0311	6.2000e-004	0.0317	0.0000	83.6615	83.6615	2.8800e-003	0.0000	83.7336

Total	0.0578	0.2208	0.4132	1.5600e-003	0.1314	8.2000e-004	0.1322	0.0352	7.6000e-004	0.0360	0.0000	143.1804	143.1804	6.0200e-003	0.0000	143.3310
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4700e-003	0.1860	0.0447	6.3000e-004	0.0142	1.5000e-004	0.0144	4.1000e-003	1.4000e-004	4.2500e-003	0.0000	59.5189	59.5189	3.1400e-003	0.0000	59.5974
Worker	0.0523	0.0348	0.3686	9.3000e-004	0.1171	6.7000e-004	0.1178	0.0311	6.2000e-004	0.0317	0.0000	83.6615	83.6615	2.8800e-003	0.0000	83.7336
Total	0.0578	0.2208	0.4132	1.5600e-003	0.1314	8.2000e-004	0.1322	0.0352	7.6000e-004	0.0360	0.0000	143.1804	143.1804	6.0200e-003	0.0000	143.3310

3.3 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8997					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7600e-003	0.0252	0.0398	7.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
Total	1.9035	0.0252	0.0398	7.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.1900e-003	0.0126	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8576	2.8576	1.0000e-004	0.0000	2.8601
Total	1.7900e-003	1.1900e-003	0.0126	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8576	2.8576	1.0000e-004	0.0000	2.8601

Mitigated Construction On-Site

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

Archit. Coating	1.8997					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
Total	1.9010	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.1900e-003	0.0126	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8576	2.8576	1.0000e-004	0.0000	2.8601
Total	1.7900e-003	1.1900e-003	0.0126	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8576	2.8576	1.0000e-004	0.0000	2.8601

3.4 Paving - 2025

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	0.0105	0.0987	0.1677	2.6000e-004		4.8100e-003	4.8100e-003		4.4300e-003	4.4300e-003	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0105	0.0987	0.1677	2.6000e-004		4.8100e-003	4.8100e-003		4.4300e-003	4.4300e-003	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0185	1.0185	4.0000e-005	0.0000	1.0193
Total	6.4000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0185	1.0185	4.0000e-005	0.0000	1.0193

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	6.4500e-003	0.1299	0.1989	2.6000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4500e-003	0.1299	0.1989	2.6000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	23.0221	23.0221	7.4500e-003	0.0000	23.2083

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0185	1.0185	4.0000e-005	0.0000	1.0193
Total	6.4000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0185	1.0185	4.0000e-005	0.0000	1.0193

Section 31 Specific Plan Project (Year 6 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 6 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	117.00	Dwelling Unit	37.99	210,600.00	378

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 6 construction schedule anticipated to start 1/2/2025 and end 12/31/2025.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00

tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	23.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	89.4805	23.9859	37.5587	0.0682	1.3320	1.0057	2.3377	0.3558	0.9403	1.2961	0.0000	6,610.7229	6,610.7229	1.3929	0.0000	6,645.5461
Maximum	89.4805	23.9859	37.5587	0.0682	1.3320	1.0057	2.3377	0.3558	0.9403	1.2961	0.0000	6,610.7229	6,610.7229	1.3929	0.0000	6,645.5461

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	88.3213	28.6674	42.0888	0.0682	1.3320	0.2493	1.5813	0.3558	0.2487	0.6045	0.0000	6,610.7229	6,610.7229	1.3929	0.0000	6,645.5461
Maximum	88.3213	28.6674	42.0888	0.0682	1.3320	0.2493	1.5813	0.3558	0.2487	0.6045	0.0000	6,610.7229	6,610.7229	1.3929	0.0000	6,645.5461

	ROG	NOx	CO	SO2	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	1.30	-19.52	-12.06	0.00	0.00	75.21	32.36	0.00	73.55	53.36	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	Building Construction	Building Construction	1/2/2025	12/31/2025	5	260	
2	Architectural Coating	Architectural Coating	10/31/2025	12/31/2025	5	44	
3	Paving	Paving	11/30/2025	12/31/2025	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 614,790; Residential Outdoor: 204,930; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	109.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498
												4				1

Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.4338	0.3205	4.9200e-003	0.1105	1.1300e-003	0.1116	0.0318	1.0800e-003	0.0329		515.4107	515.4107	0.0253		516.0440
Worker	0.4743	0.2653	3.5585	7.8900e-003	0.9120	5.1800e-003	0.9172	0.2419	4.7700e-003	0.2467		784.3854	784.3854	0.0281		785.0869
Total	0.5160	1.6991	3.8790	0.0128	1.0224	6.3100e-003	1.0288	0.2737	5.8500e-003	0.2796		1,299.796	1,299.7961	0.0534		1,301.131
												1				0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.4338	0.3205	4.9200e-003	0.1105	1.1300e-003	0.1116	0.0318	1.0800e-003	0.0329		515.4107	515.4107	0.0253		516.0440
Worker	0.4743	0.2653	3.5585	7.8900e-003	0.9120	5.1800e-003	0.9172	0.2419	4.7700e-003	0.2467		784.3854	784.3854	0.0281		785.0869
Total	0.5160	1.6991	3.8790	0.0128	1.0224	6.3100e-003	1.0288	0.2737	5.8500e-003	0.2796		1,299.7961	1,299.7961	0.0534		1,301.1310

3.3 Architectural Coating - 2025
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	86.5209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0957	0.0535	0.7182	1.5900e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		158.3163	158.3163	5.6600e-003		158.4579

Total	0.0957	0.0535	0.7182	1.5900e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		158.3163	158.3163	5.6600e-003		158.4579
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154			281.8319
Total	86.4095	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154			281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0957	0.0535	0.7182	1.5900e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		158.3163	158.3163	5.6600e-003			158.4579
Total	0.0957	0.0535	0.7182	1.5900e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		158.3163	158.3163	5.6600e-003			158.4579

3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0365	0.4897	1.0900e-003	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		107.9430	107.9430	3.8600e-003		108.0395
Total	0.0653	0.0365	0.4897	1.0900e-003	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		107.9430	107.9430	3.8600e-003		108.0395

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0365	0.4897	1.0900e-003	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		107.9430	107.9430	3.8600e-003		108.0395
Total	0.0653	0.0365	0.4897	1.0900e-003	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		107.9430	107.9430	3.8600e-003		108.0395

Section 31 Specific Plan Project (Year 6 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 6 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	117.00	Dwelling Unit	37.99	210,600.00	378

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 6 construction schedule anticipated to start 1/2/2025 and end 12/31/2025.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -
- Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.
- Area Mitigation -
- Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00

tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	23.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	89.3817	23.9736	36.2220	0.0663	1.3320	1.0057	2.3377	0.3558	0.9403	1.2961	0.0000	6,417.6142	6,417.6142	1.3885	0.0000	6,452.3275
Maximum	89.3817	23.9736	36.2220	0.0663	1.3320	1.0057	2.3377	0.3558	0.9403	1.2961	0.0000	6,417.6142	6,417.6142	1.3885	0.0000	6,452.3275

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	88.2226	28.6551	40.7521	0.0663	1.3320	0.2493	1.5813	0.3558	0.2487	0.6045	0.0000	6,417.6142	6,417.6142	1.3885	0.0000	6,452.3275
Maximum	88.2226	28.6551	40.7521	0.0663	1.3320	0.2493	1.5813	0.3558	0.2487	0.6045	0.0000	6,417.6142	6,417.6142	1.3885	0.0000	6,452.3275

	ROG	NOx	CO	SO2	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	1.30	-19.53	-12.51	0.00	0.00	75.21	32.36	0.00	73.55	53.36	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	Building Construction	Building Construction	1/2/2025	12/31/2025	5	260	
2	Architectural Coating	Architectural Coating	10/31/2025	12/31/2025	5	44	
3	Paving	Paving	11/30/2025	12/31/2025	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 614,790; Residential Outdoor: 204,930; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	109.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.474	0.6010		2,571.498
												4				1

Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0440	1.4124	0.3800	4.6800e-003	0.1105	1.1700e-003	0.1116	0.0318	1.1200e-003	0.0330		489.8600	489.8600	0.0285		490.5718
Worker	0.3989	0.2721	2.5161	6.6200e-003	0.9120	5.1800e-003	0.9172	0.2419	4.7700e-003	0.2467		659.2907	659.2907	0.0224		659.8517
Total	0.4429	1.6845	2.8961	0.0113	1.0224	6.3500e-003	1.0288	0.2737	5.8900e-003	0.2796		1,149.150	1,149.1507	0.0509		1,150.423
												7				5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0440	1.4124	0.3800	4.6800e-003	0.1105	1.1700e-003	0.1116	0.0318	1.1200e-003	0.0330		489.8600	489.8600	0.0285		490.5718
Worker	0.3989	0.2721	2.5161	6.6200e-003	0.9120	5.1800e-003	0.9172	0.2419	4.7700e-003	0.2467		659.2907	659.2907	0.0224		659.8517
Total	0.4429	1.6845	2.8961	0.0113	1.0224	6.3500e-003	1.0288	0.2737	5.8900e-003	0.2796		1,149.1507	1,149.1507	0.0509		1,150.4235

3.3 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	86.5209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0805	0.0549	0.5079	1.3400e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		133.0679	133.0679	4.5300e-003		133.1811

Total	0.0805	0.0549	0.5079	1.3400e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		133.0679	133.0679	4.5300e-003		133.1811
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	86.4095	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0805	0.0549	0.5079	1.3400e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		133.0679	133.0679	4.5300e-003		133.1811
Total	0.0805	0.0549	0.5079	1.3400e-003	0.1841	1.0500e-003	0.1851	0.0488	9.6000e-004	0.0498		133.0679	133.0679	4.5300e-003		133.1811

3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0375	0.3463	9.1000e-004	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		90.7281	90.7281	3.0900e-003		90.8053
Total	0.0549	0.0375	0.3463	9.1000e-004	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		90.7281	90.7281	3.0900e-003		90.8053

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0375	0.3463	9.1000e-004	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		90.7281	90.7281	3.0900e-003		90.8053
Total	0.0549	0.0375	0.3463	9.1000e-004	0.1255	7.1000e-004	0.1262	0.0333	6.6000e-004	0.0339		90.7281	90.7281	3.0900e-003		90.8053

APPENDIX C.8

Year 7 (Construction)

Section 31 Specific Plan Project (Year 7 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 7 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	117.00	Dwelling Unit	37.99	210,600.00	378

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 7 construction schedule anticipated to start 1/2/2026 and end 12/31/2026.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	PhaseEndDate	4/5/2029	12/31/2026
tblConstructionPhase	PhaseEndDate	11/2/2028	12/31/2026
tblConstructionPhase	PhaseEndDate	1/18/2029	12/31/2026
tblConstructionPhase	PhaseStartDate	1/19/2029	10/31/2026
tblConstructionPhase	PhaseStartDate	11/3/2028	11/30/2026
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	2.1494	1.9677	2.7134	5.4000e-003	0.1369	0.0756	0.2124	0.0367	0.0710	0.1077	0.0000	474.6680	474.6680	0.0848	0.0000	476.7887
Maximum	2.1494	1.9677	2.7134	5.4000e-003	0.1369	0.0756	0.2124	0.0367	0.0710	0.1077	0.0000	474.6680	474.6680	0.0848	0.0000	476.7887

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	2.0526	2.2332	2.9791	5.4000e-003	0.1369	0.0199	0.1567	0.0367	0.0198	0.0565	0.0000	474.6676	474.6676	0.0848	0.0000	476.7883
Maximum	2.0526	2.2332	2.9791	5.4000e-003	0.1369	0.0199	0.1567	0.0367	0.0198	0.0565	0.0000	474.6676	474.6676	0.0848	0.0000	476.7883

	ROG	NOx	CO	SO2	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	4.51	-13.50	-9.79	0.00	0.00	73.72	26.23	0.00	72.12	47.58	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2026	4-1-2026	0.5115	0.5457

2	4-2-2026	7-1-2026	0.5199	0.5544
3	7-2-2026	9-30-2026	0.5199	0.5544
		Highest	0.5199	0.5544

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2026	12/31/2026	5	260	
2	Paving	Paving	11/30/2026	12/31/2026	5	24	
3	Architectural Coating	Architectural Coating	10/31/2026	12/31/2026	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 614,790; Residential Outdoor: 204,930; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	109.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

Vendor	5.3100e-003	0.1841	0.0428	6.2000e-004	0.0142	1.5000e-004	0.0144	4.1000e-003	1.4000e-004	4.2400e-003	0.0000	59.1213	59.1213	3.0300e-003	0.0000	59.1969
Worker	0.0496	0.0328	0.3485	8.9000e-004	0.1171	6.5000e-004	0.1178	0.0311	6.0000e-004	0.0317	0.0000	80.6328	80.6328	2.7200e-003	0.0000	80.7009
Total	0.0549	0.2169	0.3913	1.5100e-003	0.1314	8.0000e-004	0.1322	0.0352	7.4000e-004	0.0359	0.0000	139.7540	139.7540	5.7500e-003	0.0000	139.8978

3.3 Paving - 2026

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	0.0110	0.1030	0.1749	2.7000e-004		5.0200e-003	5.0200e-003		4.6200e-003	4.6200e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2174
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1030	0.1749	2.7000e-004		5.0200e-003	5.0200e-003		4.6200e-003	4.6200e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.2000e-004	4.4300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.0243	1.0243	3.0000e-005	0.0000	1.0251
Total	6.3000e-004	4.2000e-004	4.4300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.0243	1.0243	3.0000e-005	0.0000	1.0251

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	6.7300e-003	0.1355	0.2076	2.7000e-004		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2173
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7300e-003	0.1355	0.2076	2.7000e-004		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2173

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.2000e-004	4.4300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.0243	1.0243	3.0000e-005	0.0000	1.0251
Total	6.3000e-004	4.2000e-004	4.4300e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.0243	1.0243	3.0000e-005	0.0000	1.0251

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr						
Archit. Coating	1.8997					0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Off-Road	3.7600e-003	0.0252	0.0398	7.0000e-005		1.1300e-003	1.1300e-003			1.1300e-003	1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
Total	1.9035	0.0252	0.0398	7.0000e-005		1.1300e-003	1.1300e-003			1.1300e-003	1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6900e-003	1.1200e-003	0.0119	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.7542	2.7542	9.0000e-005	0.0000	2.7565
Total	1.6900e-003	1.1200e-003	0.0119	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.7542	2.7542	9.0000e-005	0.0000	2.7565

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Archit. Coating	1.8997					0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004			3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Total	1.9010	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6900e-003	1.1200e-003	0.0119	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.7542	2.7542	9.0000e-005	0.0000	2.7565
Total	1.6900e-003	1.1200e-003	0.0119	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.7542	2.7542	9.0000e-005	0.0000	2.7565

Section 31 Specific Plan Project (Year 7 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 7 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	117.00	Dwelling Unit	37.99	210,600.00	378

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 7 construction schedule anticipated to start 1/2/2026 and end 12/31/2026.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -
- Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.
- Area Mitigation -
- Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00

tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	PhaseEndDate	4/5/2029	12/31/2026
tblConstructionPhase	PhaseEndDate	11/2/2028	12/31/2026
tblConstructionPhase	PhaseEndDate	1/18/2029	12/31/2026
tblConstructionPhase	PhaseStartDate	1/19/2029	10/31/2026
tblConstructionPhase	PhaseStartDate	11/3/2028	11/30/2026
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2026	89.4454	23.9515	37.2878	0.0678	1.3320	1.0054	2.3374	0.3558	0.9400	1.2959	0.0000	6,569.1559	6,569.1559	1.3899	0.0000	6,603.9031
Maximum	89.4454	23.9515	37.2878	0.0678	1.3320	1.0054	2.3374	0.3558	0.9400	1.2959	0.0000	6,569.1559	6,569.1559	1.3899	0.0000	6,603.9031

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	88.2863	28.6330	41.8179	0.0678	1.3320	0.2490	1.5810	0.3558	0.2484	0.6043	0.0000	6,569.1559	6,569.1559	1.3899	0.0000	6,603.9031
Maximum	88.2863	28.6330	41.8179	0.0678	1.3320	0.2490	1.5810	0.3558	0.2484	0.6043	0.0000	6,569.1559	6,569.1559	1.3899	0.0000	6,603.9031

	ROG	NOx	CO	SO2	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	1.30	-19.55	-12.15	0.00	0.00	75.23	32.36	0.00	73.57	53.37	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	Building Construction	Building Construction	1/2/2026	12/31/2026	5	260	
2	Paving	Paving	11/30/2026	12/31/2026	5	24	
3	Architectural Coating	Architectural Coating	10/31/2026	12/31/2026	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 614,790; Residential Outdoor: 204,930; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	109.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.4201	0.3064	4.8800e-003	0.1105	1.1200e-003	0.1116	0.0318	1.0700e-003	0.0329		511.9077	511.9077	0.0244		512.5180
Worker	0.4491	0.2498	3.3668	7.6000e-003	0.9120	5.0100e-003	0.9170	0.2419	4.6100e-003	0.2465		755.9678	755.9678	0.0265		756.6298
Total	0.4895	1.6699	3.6732	0.0125	1.0224	6.1300e-003	1.0286	0.2737	5.6800e-003	0.2794		1,267.8755	1,267.8755	0.0509		1,269.1477

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.4201	0.3064	4.8800e-003	0.1105	1.1200e-003	0.1116	0.0318	1.0700e-003	0.0329		511.9077	511.9077	0.0244		512.5180
Worker	0.4491	0.2498	3.3668	7.6000e-003	0.9120	5.0100e-003	0.9170	0.2419	4.6100e-003	0.2465		755.9678	755.9678	0.0265		756.6298
Total	0.4895	1.6699	3.6732	0.0125	1.0224	6.1300e-003	1.0286	0.2737	5.6800e-003	0.2794		1,267.8755	1,267.8755	0.0509		1,269.1477

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0618	0.0344	0.4633	1.0500e-003	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339		104.0323	104.0323	3.6400e-003		104.1234
Total	0.0618	0.0344	0.4633	1.0500e-003	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339		104.0323	104.0323	3.6400e-003		104.1234

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0344	0.4633	1.0500e-003	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339		104.0323	104.0323	3.6400e-003		104.1234
Total	0.0618	0.0344	0.4633	1.0500e-003	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339		104.0323	104.0323	3.6400e-003		104.1234

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	86.5209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0907	0.0504	0.6795	1.5300e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		152.5807	152.5807	5.3400e-003		152.7143
Total	0.0907	0.0504	0.6795	1.5300e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		152.5807	152.5807	5.3400e-003		152.7143

Mitigated Construction On-Site

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

Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	86.4095	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0907	0.0504	0.6795	1.5300e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		152.5807	152.5807	5.3400e-003		152.7143
Total	0.0907	0.0504	0.6795	1.5300e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		152.5807	152.5807	5.3400e-003		152.7143

Section 31 Specific Plan Project (Year 7 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 7 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	93.00	Dwelling Unit	2.45	93,000.00	300
Single Family Housing	117.00	Dwelling Unit	37.99	210,600.00	378

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 7 construction schedule anticipated to start 1/2/2026 and end 12/31/2026.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00

tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	PhaseEndDate	4/5/2029	12/31/2026
tblConstructionPhase	PhaseEndDate	11/2/2028	12/31/2026
tblConstructionPhase	PhaseEndDate	1/18/2029	12/31/2026
tblConstructionPhase	PhaseStartDate	1/19/2029	10/31/2026
tblConstructionPhase	PhaseStartDate	11/3/2028	11/30/2026
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2026	89.3536	23.9380	36.0201	0.0659	1.3320	1.0055	2.3375	0.3558	0.9401	1.2959	0.0000	6,382.4784	6,382.4784	1.3858	0.0000	6,417.1241
Maximum	89.3536	23.9380	36.0201	0.0659	1.3320	1.0055	2.3375	0.3558	0.9401	1.2959	0.0000	6,382.4784	6,382.4784	1.3858	0.0000	6,417.1241

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	88.1945	28.6195	40.5502	0.0659	1.3320	0.2491	1.5811	0.3558	0.2485	0.6043	0.0000	6,382.4784	6,382.4784	1.3858	0.0000	6,417.1241
Maximum	88.1945	28.6195	40.5502	0.0659	1.3320	0.2491	1.5811	0.3558	0.2485	0.6043	0.0000	6,382.4784	6,382.4784	1.3858	0.0000	6,417.1241

	ROG	NOx	CO	SO2	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	1.30	-19.56	-12.58	0.00	0.00	75.23	32.36	0.00	73.57	53.37	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	Building Construction	Building Construction	1/2/2026	12/31/2026	5	260	
2	Paving	Paving	11/30/2026	12/31/2026	5	24	
3	Architectural Coating	Architectural Coating	10/31/2026	12/31/2026	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 614,790; Residential Outdoor: 204,930; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	109.00	22.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.3981	0.3647	4.6500e-003	0.1105	1.1500e-003	0.1116	0.0318	1.1000e-003	0.0329		486.6699	486.6699	0.0274		487.3559
Worker	0.3789	0.2562	2.3769	6.3800e-003	0.9120	5.0100e-003	0.9170	0.2419	4.6100e-003	0.2465		635.4408	635.4408	0.0212		635.9705
Total	0.4215	1.6543	2.7415	0.0110	1.0224	6.1600e-003	1.0286	0.2737	5.7100e-003	0.2794		1,122.1107	1,122.1107	0.0486		1,123.3264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.3981	0.3647	4.6500e-003	0.1105	1.1500e-003	0.1116	0.0318	1.1000e-003	0.0329		486.6699	486.6699	0.0274		487.3559
Worker	0.3789	0.2562	2.3769	6.3800e-003	0.9120	5.0100e-003	0.9170	0.2419	4.6100e-003	0.2465		635.4408	635.4408	0.0212		635.9705
Total	0.4215	1.6543	2.7415	0.0110	1.0224	6.1600e-003	1.0286	0.2737	5.7100e-003	0.2794		1,122.1107	1,122.1107	0.0486		1,123.3264

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0521	0.0353	0.3271	8.8000e-004	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339	87.4460	87.4460	2.9200e-003	87.5189		
Total	0.0521	0.0353	0.3271	8.8000e-004	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339	87.4460	87.4460	2.9200e-003	87.5189		

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0353	0.3271	8.8000e-004	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339	87.4460	87.4460	2.9200e-003	87.5189		
Total	0.0521	0.0353	0.3271	8.8000e-004	0.1255	6.9000e-004	0.1262	0.0333	6.3000e-004	0.0339	87.4460	87.4460	2.9200e-003	87.5189		

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	86.5209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0765	0.0517	0.4797	1.2900e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		128.2541	128.2541	4.2800e-003		128.3610
Total	0.0765	0.0517	0.4797	1.2900e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		128.2541	128.2541	4.2800e-003		128.3610

Mitigated Construction On-Site

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

Archit. Coating	86.3501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	86.4095	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0765	0.0517	0.4797	1.2900e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		128.2541	128.2541	4.2800e-003		128.3610
Total	0.0765	0.0517	0.4797	1.2900e-003	0.1841	1.0100e-003	0.1851	0.0488	9.3000e-004	0.0498		128.2541	128.2541	4.2800e-003		128.3610

APPENDIX C.9

Year 8 (Construction)

Section 31 Specific Plan Project (Year 8 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 8 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	91.00	Dwelling Unit	2.39	91,000.00	294
Single Family Housing	99.00	Dwelling Unit	32.14	178,200.00	320

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 8 construction schedule anticipated to start 1/2/2027 and end 12/31/2027.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	45.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	PhaseEndDate	4/5/2030	12/31/2027
tblConstructionPhase	PhaseEndDate	11/2/2029	12/31/2027
tblConstructionPhase	PhaseEndDate	1/18/2030	12/31/2027
tblConstructionPhase	PhaseStartDate	1/19/2030	10/31/2027
tblConstructionPhase	PhaseStartDate	11/3/2029	11/30/2027
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	1.9275	1.9458	2.6659	5.2500e-003	0.1267	0.0755	0.2022	0.0339	0.0710	0.1049	0.0000	460.4405	460.4405	0.0841	0.0000	462.5436
Maximum	1.9275	1.9458	2.6659	5.2500e-003	0.1267	0.0755	0.2022	0.0339	0.0710	0.1049	0.0000	460.4405	460.4405	0.0841	0.0000	462.5436

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	1.8306	2.2114	2.9317	5.2500e-003	0.1267	0.0198	0.1465	0.0339	0.0197	0.0536	0.0000	460.4401	460.4401	0.0841	0.0000	462.5432
Maximum	1.8306	2.2114	2.9317	5.2500e-003	0.1267	0.0198	0.1465	0.0339	0.0197	0.0536	0.0000	460.4401	460.4401	0.0841	0.0000	462.5432

	ROG	NOx	CO	SO2	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	5.03	-13.65	-9.97	0.00	0.00	73.81	27.56	0.00	72.23	48.87	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2027	4-1-2027	0.5044	0.5386

2	4-2-2027	7-1-2027	0.5124	0.5469
3	7-2-2027	9-30-2027	0.5124	0.5469
		Highest	0.5124	0.5469

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2027	12/31/2027	5	260	
2	Architectural Coating	Architectural Coating	10/31/2027	12/31/2027	5	45	
3	Paving	Paving	11/30/2027	12/31/2027	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 545,130; Residential Outdoor: 181,710; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	101.00	20.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2027

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

Vendor	4.7000e-003	0.1658	0.0374	5.6000e-004	0.0129	1.3000e-004	0.0131	3.7300e-003	1.3000e-004	3.8600e-003	0.0000	53.4446	53.4446	2.6500e-003	0.0000	53.5109
Worker	0.0436	0.0288	0.3071	8.0000e-004	0.1086	5.7000e-004	0.1091	0.0288	5.2000e-004	0.0293	0.0000	72.2653	72.2653	2.4000e-003	0.0000	72.3254
Total	0.0483	0.1946	0.3446	1.3600e-003	0.1215	7.0000e-004	0.1222	0.0326	6.5000e-004	0.0332	0.0000	125.7099	125.7099	5.0500e-003	0.0000	125.8362

3.3 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8400e-003	0.0258	0.0407	7.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	5.7448	5.7448	3.1000e-004	0.0000	5.7527
Total	1.6883	0.0258	0.0407	7.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	5.7448	5.7448	3.1000e-004	0.0000	5.7527

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	9.9000e-004	0.0105	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.4767	2.4767	8.0000e-005	0.0000	2.4788
Total	1.5000e-003	9.9000e-004	0.0105	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.4767	2.4767	8.0000e-005	0.0000	2.4788

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	0.0305	0.0412	7.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	5.7448	5.7448	3.1000e-004	0.0000	5.7527
Total	1.6858	0.0305	0.0412	7.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	5.7448	5.7448	3.1000e-004	0.0000	5.7527

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	9.9000e-004	0.0105	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.4767	2.4767	8.0000e-005	0.0000	2.4788
Total	1.5000e-003	9.9000e-004	0.0105	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.4767	2.4767	8.0000e-005	0.0000	2.4788

3.4 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Total	6.7300e-003	0.1355	0.2076	2.7000e-004		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	24.0231	24.0231	7.7700e-003	0.0000	24.2173
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	3.9000e-004	4.2100e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	0.9907	0.9907	3.0000e-005	0.0000	0.9915
Total	6.0000e-004	3.9000e-004	4.2100e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	0.9907	0.9907	3.0000e-005	0.0000	0.9915

Section 31 Specific Plan Project (Year 8 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 8 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	91.00	Dwelling Unit	2.39	91,000.00	294
Single Family Housing	99.00	Dwelling Unit	32.14	178,200.00	320

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 8 construction schedule anticipated to start 1/2/2027 and end 12/31/2027.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -
- Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.
- Area Mitigation -
- Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	45.00
tblConstructionPhase	NumDays	740.00	260.00

tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	PhaseEndDate	4/5/2030	12/31/2027
tblConstructionPhase	PhaseEndDate	11/2/2029	12/31/2027
tblConstructionPhase	PhaseEndDate	1/18/2030	12/31/2027
tblConstructionPhase	PhaseStartDate	1/19/2030	10/31/2027
tblConstructionPhase	PhaseStartDate	11/3/2029	11/30/2027
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day											lb/day				
2027	77.8848	23.7712	36.7367	0.0663	1.2383	1.0045	2.2428	0.3307	0.9392	1.2700	0.0000	6,419.7062	6,419.7062	1.3828	0.0000	6,454.2768
Maximum	77.8848	23.7712	36.7367	0.0663	1.2383	1.0045	2.2428	0.3307	0.9392	1.2700	0.0000	6,419.7062	6,419.7062	1.3828	0.0000	6,454.2768

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day											lb/day				
2027	76.7257	28.4527	41.2667	0.0663	1.2383	0.2481	1.4864	0.3307	0.2476	0.5783	0.0000	6,419.7062	6,419.7062	1.3828	0.0000	6,454.2768
Maximum	76.7257	28.4527	41.2667	0.0663	1.2383	0.2481	1.4864	0.3307	0.2476	0.5783	0.0000	6,419.7062	6,419.7062	1.3828	0.0000	6,454.2768

	ROG	NOx	CO	SO2	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	1.49	-19.69	-12.33	0.00	0.00	75.30	33.73	0.00	73.64	54.46	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2027	12/31/2027	5	260	
2	Architectural Coating	Architectural Coating	10/31/2027	12/31/2027	5	45	
3	Paving	Paving	11/30/2027	12/31/2027	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 545,130; Residential Outdoor: 181,710; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	101.00	20.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0357	1.2793	0.2676	4.4200e-003	0.1004	1.0000e-003	0.1014	0.0289	9.6000e-004	0.0299		462.7203	462.7203	0.0214		463.2548
Worker	0.3945	0.2192	2.9686	6.8100e-003	0.8450	4.3900e-003	0.8494	0.2241	4.0400e-003	0.2282		677.5306	677.5306	0.0234		678.1142
Total	0.4302	1.4984	3.2362	0.0112	0.9455	5.3900e-003	0.9509	0.2531	5.0000e-003	0.2581		1,140.2509	1,140.2509	0.0447		1,141.3690

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0357	1.2793	0.2676	4.4200e-003	0.1004	1.0000e-003	0.1014	0.0289	9.6000e-004	0.0299		462.7203	462.7203	0.0214		463.2548
Worker	0.3945	0.2192	2.9686	6.8100e-003	0.8450	4.3900e-003	0.8494	0.2241	4.0400e-003	0.2282		677.5306	677.5306	0.0234		678.1142
Total	0.4302	1.4984	3.2362	0.0112	0.9455	5.3900e-003	0.9509	0.2531	5.0000e-003	0.2581		1,140.2509	1,140.2509	0.0447		1,141.3690

3.3 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	75.0354	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0434	0.5878	1.3500e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		134.1645	134.1645	4.6200e-003		134.2800
Total	0.0781	0.0434	0.5878	1.3500e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		134.1645	134.1645	4.6200e-003		134.2800

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	74.9240	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0434	0.5878	1.3500e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		134.1645	134.1645	4.6200e-003		134.2800
Total	0.0781	0.0434	0.5878	1.3500e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		134.1645	134.1645	4.6200e-003		134.2800

3.4 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0586	0.0326	0.4409	1.0100e-003	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		100.6234	100.6234	3.4700e-003		100.7100
Total	0.0586	0.0326	0.4409	1.0100e-003	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		100.6234	100.6234	3.4700e-003		100.7100

Mitigated Construction On-Site

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

Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0586	0.0326	0.4409	1.0100e-003	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		100.6234	100.6234	3.4700e-003		100.7100
Total	0.0586	0.0326	0.4409	1.0100e-003	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		100.6234	100.6234	3.4700e-003		100.7100

Section 31 Specific Plan Project (Year 8 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 8 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	91.00	Dwelling Unit	2.39	91,000.00	294
Single Family Housing	99.00	Dwelling Unit	32.14	178,200.00	320

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 8 construction schedule anticipated to start 1/2/2027 and end 12/31/2027.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -
- Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.
- Area Mitigation -
- Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	45.00
tblConstructionPhase	NumDays	740.00	260.00

tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	PhaseEndDate	4/5/2030	12/31/2027
tblConstructionPhase	PhaseEndDate	11/2/2029	12/31/2027
tblConstructionPhase	PhaseEndDate	1/18/2030	12/31/2027
tblConstructionPhase	PhaseStartDate	1/19/2030	10/31/2027
tblConstructionPhase	PhaseStartDate	11/3/2029	11/30/2027
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day											lb/day				
2027	77.8051	23.7580	35.6091	0.0646	1.2383	1.0045	2.2428	0.3307	0.9392	1.2700	0.0000	6,251.5028	6,251.5028	1.3792	0.0000	6,285.9827
Maximum	77.8051	23.7580	35.6091	0.0646	1.2383	1.0045	2.2428	0.3307	0.9392	1.2700	0.0000	6,251.5028	6,251.5028	1.3792	0.0000	6,285.9827

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day											lb/day				
2027	76.6460	28.4395	40.1392	0.0646	1.2383	0.2481	1.4864	0.3307	0.2476	0.5784	0.0000	6,251.5028	6,251.5028	1.3792	0.0000	6,285.9827
Maximum	76.6460	28.4395	40.1392	0.0646	1.2383	0.2481	1.4864	0.3307	0.2476	0.5784	0.0000	6,251.5028	6,251.5028	1.3792	0.0000	6,285.9827

	ROG	NOx	CO	SO2	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	1.49	-19.70	-12.72	0.00	0.00	75.30	33.73	0.00	73.64	54.46	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2027	12/31/2027	5	260	
2	Architectural Coating	Architectural Coating	10/31/2027	12/31/2027	5	45	
3	Paving	Paving	11/30/2027	12/31/2027	5	24	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 545,130; Residential Outdoor: 181,710; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	101.00	20.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0378	1.2587	0.3198	4.2000e-003	0.1004	1.0300e-003	0.1015	0.0289	9.9000e-004	0.0299		439.9906	439.9906	0.0240		440.5915
Worker	0.3337	0.2247	2.0925	5.7200e-003	0.8450	4.3900e-003	0.8494	0.2241	4.0400e-003	0.2282		569.4949	569.4949	0.0187		569.9620
Total	0.3715	1.4834	2.4122	9.9200e-003	0.9455	5.4200e-003	0.9509	0.2531	5.0300e-003	0.2581		1,009.4855	1,009.4855	0.0427		1,010.5534

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0378	1.2587	0.3198	4.2000e-003	0.1004	1.0300e-003	0.1015	0.0289	9.9000e-004	0.0299		439.9906	439.9906	0.0240		440.5915
Worker	0.3337	0.2247	2.0925	5.7200e-003	0.8450	4.3900e-003	0.8494	0.2241	4.0400e-003	0.2282		569.4949	569.4949	0.0187		569.9620
Total	0.3715	1.4834	2.4122	9.9200e-003	0.9455	5.4200e-003	0.9509	0.2531	5.0300e-003	0.2581		1,009.4855	1,009.4855	0.0427		1,010.5534

3.3 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	75.0354	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0445	0.4144	1.1300e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		112.7713	112.7713	3.7000e-003		112.8638
Total	0.0661	0.0445	0.4144	1.1300e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		112.7713	112.7713	3.7000e-003		112.8638

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	74.9240	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0445	0.4144	1.1300e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		112.7713	112.7713	3.7000e-003		112.8638
Total	0.0661	0.0445	0.4144	1.1300e-003	0.1673	8.7000e-004	0.1682	0.0444	8.0000e-004	0.0452		112.7713	112.7713	3.7000e-003		112.8638

3.4 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0496	0.0334	0.3108	8.5000e-004	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		84.5785	84.5785	2.7700e-003		84.6478
Total	0.0496	0.0334	0.3108	8.5000e-004	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		84.5785	84.5785	2.7700e-003		84.6478

Mitigated Construction On-Site

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

Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0496	0.0334	0.3108	8.5000e-004	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		84.5785	84.5785	2.7700e-003		84.6478
Total	0.0496	0.0334	0.3108	8.5000e-004	0.1255	6.5000e-004	0.1262	0.0333	6.0000e-004	0.0339		84.5785	84.5785	2.7700e-003		84.6478

APPENDIX C.10

Year 9 (Construction)

Section 31 Specific Plan Project (Year 9 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 9 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	74.00	Dwelling Unit	1.95	74,000.00	239
Single Family Housing	99.00	Dwelling Unit	32.14	178,200.00	320

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2029
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 9 construction schedule anticipated to start 1/2/2028 and end 12/31/2028.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	22.00
tblConstructionPhase	PhaseEndDate	4/4/2031	12/31/2028
tblConstructionPhase	PhaseEndDate	11/1/2030	12/31/2028
tblConstructionPhase	PhaseEndDate	1/17/2031	12/31/2028
tblConstructionPhase	PhaseStartDate	1/18/2031	10/31/2028
tblConstructionPhase	PhaseStartDate	11/2/2030	11/30/2028
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	1.8121	1.9141	2.5955	5.0400e-003	0.1119	0.0749	0.1869	0.0300	0.0704	0.1004	0.0000	441.8563	441.8563	0.0827	0.0000	443.9245
Maximum	1.8121	1.9141	2.5955	5.0400e-003	0.1119	0.0749	0.1869	0.0300	0.0704	0.1004	0.0000	441.8563	441.8563	0.0827	0.0000	443.9245

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	1.7156	2.1769	2.8585	5.0400e-003	0.1119	0.0195	0.1315	0.0300	0.0195	0.0495	0.0000	441.8559	441.8559	0.0827	0.0000	443.9241
Maximum	1.7156	2.1769	2.8585	5.0400e-003	0.1119	0.0195	0.1315	0.0300	0.0195	0.0495	0.0000	441.8559	441.8559	0.0827	0.0000	443.9241

	ROG	NOx	CO	SO2	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	5.33	-13.73	-10.13	0.00	0.00	73.92	29.64	0.00	72.32	50.73	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2028	4-1-2028	0.5026	0.5371
2	4-2-2028	7-1-2028	0.5046	0.5391

3	7-2-2028	9-30-2028	0.5046	0.5391
		Highest	0.5046	0.5391

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2028	12/31/2028	5	260	
2	Architectural Coating	Architectural Coating	10/31/2028	12/31/2028	5	44	
3	Paving	Paving	11/30/2028	12/31/2028	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 510,705; Residential Outdoor: 170,235; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	89.00	18.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2028

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

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
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1400e-003	0.1481	0.0327	5.0000e-004	0.0116	1.2000e-004	0.0118	3.3600e-003	1.1000e-004	3.4700e-003	0.0000	47.9251	47.9251	2.2900e-003	0.0000	47.9824
Worker	0.0366	0.0242	0.2591	6.8000e-004	0.0957	4.7000e-004	0.0961	0.0254	4.3000e-004	0.0258	0.0000	61.8010	61.8010	2.0400e-003	0.0000	61.8519
Total	0.0407	0.1723	0.2918	1.1800e-003	0.1073	5.9000e-004	0.1079	0.0288	5.4000e-004	0.0293	0.0000	109.7261	109.7261	4.3300e-003	0.0000	109.8343

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	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1400e-003	0.1481	0.0327	5.0000e-004	0.0116	1.2000e-004	0.0118	3.3600e-003	1.1000e-004	3.4700e-003	0.0000	47.9251	47.9251	2.2900e-003	0.0000	47.9824
Worker	0.0366	0.0242	0.2591	6.8000e-004	0.0957	4.7000e-004	0.0961	0.0254	4.3000e-004	0.0258	0.0000	61.8010	61.8010	2.0400e-003	0.0000	61.8519

Total	0.0407	0.1723	0.2918	1.1800e-003	0.1073	5.9000e-004	0.1079	0.0288	5.4000e-004	0.0293	0.0000	109.7261	109.7261	4.3300e-003	0.0000	109.8343
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3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5781						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7600e-003	0.0252	0.0398	7.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
Total	1.5818	0.0252	0.0398	7.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.3000e-004	8.8700e-003	2.0000e-005	3.2700e-003	2.0000e-005	3.2900e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.1152	2.1152	7.0000e-005	0.0000	2.1170
Total	1.2500e-003	8.3000e-004	8.8700e-003	2.0000e-005	3.2700e-003	2.0000e-005	3.2900e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.1152	2.1152	7.0000e-005	0.0000	2.1170

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
Total	1.5794	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.3000e-004	8.8700e-003	2.0000e-005	3.2700e-003	2.0000e-005	3.2900e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.1152	2.1152	7.0000e-005	0.0000	2.1170
Total	1.2500e-003	8.3000e-004	8.8700e-003	2.0000e-005	3.2700e-003	2.0000e-005	3.2900e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.1152	2.1152	7.0000e-005	0.0000	2.1170

3.4 Paving - 2028

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	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.6900e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8813	0.8813	3.0000e-005	0.0000	0.8821
Total	5.2000e-004	3.4000e-004	3.6900e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8813	0.8813	3.0000e-005	0.0000	0.8821

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	6.1700e-003	0.1243	0.1903	2.5000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.1700e-003	0.1243	0.1903	2.5000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.6900e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8813	0.8813	3.0000e-005	0.0000	0.8821
Total	5.2000e-004	3.4000e-004	3.6900e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8813	0.8813	3.0000e-005	0.0000	0.8821

Section 31 Specific Plan Project (Year 9 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 9 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	74.00	Dwelling Unit	1.95	74,000.00	239
Single Family Housing	99.00	Dwelling Unit	32.14	178,200.00	320

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2029
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 9 construction schedule anticipated to start 1/2/2028 and end 12/31/2028.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	22.00

tblConstructionPhase	PhaseEndDate	4/4/2031	12/31/2028
tblConstructionPhase	PhaseEndDate	11/1/2030	12/31/2028
tblConstructionPhase	PhaseEndDate	1/17/2031	12/31/2028
tblConstructionPhase	PhaseStartDate	1/18/2031	10/31/2028
tblConstructionPhase	PhaseStartDate	11/2/2030	11/30/2028
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2028	74.6680	23.5923	36.1401	0.0647	1.1111	1.0034	2.1145	0.2968	0.9382	1.2350	0.0000	6,253.8827	6,253.8827	1.3756	0.0000	6,288.2731
Maximum	74.6680	23.5923	36.1401	0.0647	1.1111	1.0034	2.1145	0.2968	0.9382	1.2350	0.0000	6,253.8827	6,253.8827	1.3756	0.0000	6,288.2731

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	73.5089	28.2737	40.6702	0.0647	1.1111	0.2470	1.3581	0.2968	0.2466	0.5433	0.0000	6,253.8827	6,253.8827	1.3756	0.0000	6,288.2731
Maximum	73.5089	28.2737	40.6702	0.0647	1.1111	0.2470	1.3581	0.2968	0.2466	0.5433	0.0000	6,253.8827	6,253.8827	1.3756	0.0000	6,288.2731

	ROG	NOx	CO	SO2	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	1.55	-19.84	-12.53	0.00	0.00	75.38	35.77	0.00	73.72	56.00	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	Building Construction	Building Construction	1/2/2028	12/31/2028	5	260	
2	Architectural Coating	Architectural Coating	10/31/2028	12/31/2028	5	44	
3	Paving	Paving	11/30/2028	12/31/2028	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0314	1.1433	0.2334	3.9600e-003	0.0904	8.9000e-004	0.0913	0.0260	8.5000e-004	0.0269		414.9154	414.9154	0.0185		415.3777
Worker	0.3300	0.1839	2.5058	5.8200e-003	0.7446	3.5800e-003	0.7482	0.1975	3.2900e-003	0.2008		579.4482	579.4482	0.0198		579.9427
Total	0.3614	1.3273	2.7392	9.7800e-003	0.8350	4.4700e-003	0.8395	0.2236	4.1400e-003	0.2277		994.3636	994.3636	0.0383		995.3204

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0314	1.1433	0.2334	3.9600e-003	0.0904	8.9000e-004	0.0913	0.0260	8.5000e-004	0.0269		414.9154	414.9154	0.0185		415.3777
Worker	0.3300	0.1839	2.5058	5.8200e-003	0.7446	3.5800e-003	0.7482	0.1975	3.2900e-003	0.2008		579.4482	579.4482	0.0198		579.9427
Total	0.3614	1.3273	2.7392	9.7800e-003	0.8350	4.4700e-003	0.8395	0.2236	4.1400e-003	0.2277		994.3636	994.3636	0.0383		995.3204

3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	71.7308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	71.9017	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0668	0.0372	0.5068	1.1800e-003	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		117.1918	117.1918	4.0000e-003		117.2918
Total	0.0668	0.0372	0.5068	1.1800e-003	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		117.1918	117.1918	4.0000e-003		117.2918

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	71.7308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	71.7903	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0668	0.0372	0.5068	1.1800e-003	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		117.1918	117.1918	4.0000e-003		117.2918
Total	0.0668	0.0372	0.5068	1.1800e-003	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		117.1918	117.1918	4.0000e-003		117.2918

3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0556	0.0310	0.4223	9.8000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.6598	97.6598	3.3300e-003		97.7432
Total	0.0556	0.0310	0.4223	9.8000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.6598	97.6598	3.3300e-003		97.7432

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.745 2	2,206.7452	0.7137		2,224.587 8
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0556	0.0310	0.4223	9.8000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.6598	97.6598	3.3300e-003		97.7432
Total	0.0556	0.0310	0.4223	9.8000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.6598	97.6598	3.3300e-003		97.7432

Section 31 Specific Plan Project (Year 9 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 9 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	74.00	Dwelling Unit	1.95	74,000.00	239
Single Family Housing	99.00	Dwelling Unit	32.14	178,200.00	320

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2029
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 9 construction schedule anticipated to start 1/2/2028 and end 12/31/2028.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	55.00	44.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	55.00	22.00

tblConstructionPhase	PhaseEndDate	4/4/2031	12/31/2028
tblConstructionPhase	PhaseEndDate	11/1/2030	12/31/2028
tblConstructionPhase	PhaseEndDate	1/17/2031	12/31/2028
tblConstructionPhase	PhaseStartDate	1/18/2031	10/31/2028
tblConstructionPhase	PhaseStartDate	11/2/2030	11/30/2028
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2028	74.6012	23.5796	35.1690	0.0632	1.1111	1.0034	2.1145	0.2968	0.9382	1.2350	0.0000	6,106.8352	6,106.8352	1.3725	0.0000	6,141.1471
Maximum	74.6012	23.5796	35.1690	0.0632	1.1111	1.0034	2.1145	0.2968	0.9382	1.2350	0.0000	6,106.8352	6,106.8352	1.3725	0.0000	6,141.1471

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	73.4421	28.2611	39.6991	0.0632	1.1111	0.2470	1.3581	0.2968	0.2466	0.5434	0.0000	6,106.8352	6,106.8352	1.3725	0.0000	6,141.1471
Maximum	73.4421	28.2611	39.6991	0.0632	1.1111	0.2470	1.3581	0.2968	0.2466	0.5434	0.0000	6,106.8352	6,106.8352	1.3725	0.0000	6,141.1471

	ROG	NOx	CO	SO2	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	1.55	-19.85	-12.88	0.00	0.00	75.38	35.77	0.00	73.72	56.00	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	Building Construction	Building Construction	1/2/2028	12/31/2028	5	260	
2	Architectural Coating	Architectural Coating	10/31/2028	12/31/2028	5	44	
3	Paving	Paving	11/30/2028	12/31/2028	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0333	1.1244	0.2799	3.7700e-003	0.0904	9.2000e-004	0.0913	0.0260	8.8000e-004	0.0269		394.5741	394.5741	0.0208		395.0938
Worker	0.2799	0.1885	1.7635	4.8900e-003	0.7446	3.5800e-003	0.7482	0.1975	3.2900e-003	0.2008		487.0150	487.0150	0.0158		487.4104
Total	0.3132	1.3129	2.0434	8.6600e-003	0.8350	4.5000e-003	0.8395	0.2236	4.1700e-003	0.2277		881.5891	881.5891	0.0366		882.5042

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0333	1.1244	0.2799	3.7700e-003	0.0904	9.2000e-004	0.0913	0.0260	8.8000e-004	0.0269		394.5741	394.5741	0.0208		395.0938
Worker	0.2799	0.1885	1.7635	4.8900e-003	0.7446	3.5800e-003	0.7482	0.1975	3.2900e-003	0.2008		487.0150	487.0150	0.0158		487.4104
Total	0.3132	1.3129	2.0434	8.6600e-003	0.8350	4.5000e-003	0.8395	0.2236	4.1700e-003	0.2277		881.5891	881.5891	0.0366		882.5042

3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	71.7308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	71.9017	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0566	0.0381	0.3567	9.9000e-004	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		98.4974	98.4974	3.2000e-003		98.5774
Total	0.0566	0.0381	0.3567	9.9000e-004	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		98.4974	98.4974	3.2000e-003		98.5774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	71.7308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	71.7903	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0381	0.3567	9.9000e-004	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		98.4974	98.4974	3.2000e-003		98.5774
Total	0.0566	0.0381	0.3567	9.9000e-004	0.1506	7.2000e-004	0.1513	0.0400	6.7000e-004	0.0406		98.4974	98.4974	3.2000e-003		98.5774

3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0472	0.0318	0.2972	8.2000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		82.0812	82.0812	2.6700e-003		82.1478
Total	0.0472	0.0318	0.2972	8.2000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		82.0812	82.0812	2.6700e-003		82.1478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.745 2	2,206.7452	0.7137		2,224.587 8
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0472	0.0318	0.2972	8.2000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		82.0812	82.0812	2.6700e-003		82.1478
Total	0.0472	0.0318	0.2972	8.2000e-004	0.1255	6.0000e-004	0.1261	0.0333	5.5000e-004	0.0338		82.0812	82.0812	2.6700e-003		82.1478

APPENDIX C.11

Year 10 (Construction)

Section 31 Specific Plan Project (Year 10 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 10 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	57.00	Dwelling Unit	1.50	57,000.00	184
Single Family Housing	27.00	Dwelling Unit	8.77	48,600.00	87

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 10 construction schedule anticipated to start 1/2/2029 and end 12/31/2029.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	300.00	260.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	4/22/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	2/25/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	3/25/2030	12/31/2029
tblConstructionPhase	PhaseStartDate	3/26/2030	10/31/2029
tblConstructionPhase	PhaseStartDate	2/26/2030	11/30/2029
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.8753	1.8283	2.4577	4.4800e-003	0.0638	0.0746	0.1385	0.0171	0.0702	0.0873	0.0000	389.4789	389.4789	0.0806	0.0000	391.4938
Maximum	0.8753	1.8283	2.4577	4.4800e-003	0.0638	0.0746	0.1385	0.0171	0.0702	0.0873	0.0000	389.4789	389.4789	0.0806	0.0000	391.4938

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.7788	2.0911	2.7207	4.4800e-003	0.0638	0.0193	0.0831	0.0171	0.0192	0.0363	0.0000	389.4785	389.4785	0.0806	0.0000	391.4934
Maximum	0.7788	2.0911	2.7207	4.4800e-003	0.0638	0.0193	0.0831	0.0171	0.0192	0.0363	0.0000	389.4785	389.4785	0.0806	0.0000	391.4934

	ROG	NOx	CO	SO2	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	11.02	-14.38	-10.70	0.00	0.00	74.20	40.00	0.00	72.60	58.38	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2029	4-1-2029	0.4715	0.5056

2	4-2-2029	7-1-2029	0.4777	0.5123
3	7-2-2029	9-30-2029	0.4777	0.5123
		Highest	0.4777	0.5123

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2029	12/31/2029	5	260	
2	Architectural Coating	Architectural Coating	10/31/2029	12/31/2029	5	44	
3	Paving	Paving	11/30/2029	12/31/2029	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 213,840; Residential Outdoor: 71,280; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	51.00	9.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2029

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

Vendor	2.0300e-003	0.0736	0.0159	2.5000e-004	5.8200e-003	6.0000e-005	5.8800e-003	1.6800e-003	6.0000e-005	1.7300e-003	0.0000	23.8716	23.8716	1.1100e-003	0.0000	23.8993
Worker	0.0198	0.0132	0.1424	3.8000e-004	0.0548	2.5000e-004	0.0551	0.0146	2.3000e-004	0.0148	0.0000	34.4719	34.4719	1.1300e-003	0.0000	34.5000
Total	0.0218	0.0868	0.1583	6.3000e-004	0.0606	3.1000e-004	0.0609	0.0162	2.9000e-004	0.0165	0.0000	58.3435	58.3435	2.2400e-003	0.0000	58.3993

3.3 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6608						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7600e-003	0.0252	0.0398	7.0000e-005			1.1300e-003	1.1300e-003		1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
Total	0.6645	0.0252	0.0398	7.0000e-005			1.1300e-003	1.1300e-003		1.1300e-003	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.4000e-004	4.7300e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.1439	1.1439	4.0000e-005	0.0000	1.1448
Total	6.6000e-004	4.4000e-004	4.7300e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.1439	1.1439	4.0000e-005	0.0000	1.1448

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248
Total	0.6621	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	3.1000e-004	0.0000	5.6248

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.4000e-004	4.7300e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.1439	1.1439	4.0000e-005	0.0000	1.1448
Total	6.6000e-004	4.4000e-004	4.7300e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.1439	1.1439	4.0000e-005	0.0000	1.1448

3.4 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Total	6.1700e-003	0.1243	0.1903	2.5000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.3000e-004	3.5400e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8579	0.8579	3.0000e-005	0.0000	0.8586
Total	4.9000e-004	3.3000e-004	3.5400e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8579	0.8579	3.0000e-005	0.0000	0.8586

Section 31 Specific Plan Project (Year 10 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 10 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	57.00	Dwelling Unit	1.50	57,000.00	184
Single Family Housing	27.00	Dwelling Unit	8.77	48,600.00	87

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 10 construction schedule anticipated to start 1/2/2029 and end 12/31/2029.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	300.00	260.00

tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	4/22/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	2/25/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	3/25/2030	12/31/2029
tblConstructionPhase	PhaseStartDate	3/26/2030	10/31/2029
tblConstructionPhase	PhaseStartDate	2/26/2030	11/30/2029
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day											lb/day				
2029	32.7696	22.9152	34.6389	0.0596	0.6811	1.0009	1.6819	0.1817	0.9358	1.1175	0.0000	5,733.0061	5,733.0061	1.3552	0.0000	5,766.8867
Maximum	32.7696	22.9152	34.6389	0.0596	0.6811	1.0009	1.6819	0.1817	0.9358	1.1175	0.0000	5,733.0061	5,733.0061	1.3552	0.0000	5,766.8867

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day											lb/day				
2029	31.6104	27.5966	39.1689	0.0596	0.6811	0.2445	0.9255	0.1817	0.2442	0.4259	0.0000	5,733.0061	5,733.0061	1.3552	0.0000	5,766.8867
Maximum	31.6104	27.5966	39.1689	0.0596	0.6811	0.2445	0.9255	0.1817	0.2442	0.4259	0.0000	5,733.0061	5,733.0061	1.3552	0.0000	5,766.8867

	ROG	NOx	CO	SO2	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	3.54	-20.43	-13.08	0.00	0.00	75.58	44.97	0.00	73.90	61.89	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	Building Construction	Building Construction	1/2/2029	12/31/2029	5	260	
2	Architectural Coating	Architectural Coating	10/31/2029	12/31/2029	5	44	
3	Paving	Paving	11/30/2029	12/31/2029	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 213,840; Residential Outdoor: 71,280; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	51.00	9.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0154	0.5682	0.1132	1.9700e-003	0.0452	4.4000e-004	0.0456	0.0130	4.2000e-004	0.0134		206.6564	206.6564	8.9200e-003		206.8793
Worker	0.1785	0.1008	1.3783	3.2500e-003	0.4267	1.9000e-003	0.4286	0.1132	1.7500e-003	0.1149		323.2341	323.2341	0.0109		323.5075
Total	0.1939	0.6690	1.4915	5.2200e-003	0.4719	2.3400e-003	0.4742	0.1262	2.1700e-003	0.1284		529.8905	529.8905	0.0199		530.3868

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0154	0.5682	0.1132	1.9700e-003	0.0452	4.4000e-004	0.0456	0.0130	4.2000e-004	0.0134		206.6564	206.6564	8.9200e-003		206.8793
Worker	0.1785	0.1008	1.3783	3.2500e-003	0.4267	1.9000e-003	0.4286	0.1132	1.7500e-003	0.1149		323.2341	323.2341	0.0109		323.5075
Total	0.1939	0.6690	1.4915	5.2200e-003	0.4719	2.3400e-003	0.4742	0.1262	2.1700e-003	0.1284		529.8905	529.8905	0.0199		530.3868

3.3 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	30.2057	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0350	0.0198	0.2703	6.4000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		63.3792	63.3792	2.1400e-003	63.4328	
Total	0.0350	0.0198	0.2703	6.4000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		63.3792	63.3792	2.1400e-003	63.4328	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	30.0942	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0198	0.2703	6.4000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		63.3792	63.3792	2.1400e-003		63.4328
Total	0.0350	0.0198	0.2703	6.4000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		63.3792	63.3792	2.1400e-003		63.4328

3.4 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0296	0.4054	9.6000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		95.0688	95.0688	3.2200e-003		95.1493
Total	0.0525	0.0296	0.4054	9.6000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		95.0688	95.0688	3.2200e-003		95.1493

Mitigated Construction On-Site

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

Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0296	0.4054	9.6000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		95.0688	95.0688	3.2200e-003		95.1493
Total	0.0525	0.0296	0.4054	9.6000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		95.0688	95.0688	3.2200e-003		95.1493

Section 31 Specific Plan Project (Year 10 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 10 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	57.00	Dwelling Unit	1.50	57,000.00	184
Single Family Housing	27.00	Dwelling Unit	8.77	48,600.00	87

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 10 construction schedule anticipated to start 1/2/2029 and end 12/31/2029.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	300.00	260.00

tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	4/22/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	2/25/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	3/25/2030	12/31/2029
tblConstructionPhase	PhaseStartDate	3/26/2030	10/31/2029
tblConstructionPhase	PhaseStartDate	2/26/2030	11/30/2029
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2029	32.7306	22.9093	34.0510	0.0587	0.6811	1.0009	1.6819	0.1817	0.9358	1.1175	0.0000	5,646.0172	5,646.0172	1.3531	0.0000	5,679.8435
Maximum	32.7306	22.9093	34.0510	0.0587	0.6811	1.0009	1.6819	0.1817	0.9358	1.1175	0.0000	5,646.0172	5,646.0172	1.3531	0.0000	5,679.8435

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	31.5715	27.5907	38.5810	0.0587	0.6811	0.2445	0.9255	0.1817	0.2442	0.4259	0.0000	5,646.0172	5,646.0172	1.3531	0.0000	5,679.8435
Maximum	31.5715	27.5907	38.5810	0.0587	0.6811	0.2445	0.9255	0.1817	0.2442	0.4259	0.0000	5,646.0172	5,646.0172	1.3531	0.0000	5,679.8435

	ROG	NOx	CO	SO2	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	3.54	-20.43	-13.30	0.00	0.00	75.57	44.97	0.00	73.90	61.89	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	Building Construction	Building Construction	1/2/2029	12/31/2029	5	260	
2	Architectural Coating	Architectural Coating	10/31/2029	12/31/2029	5	44	
3	Paving	Paving	11/30/2029	12/31/2029	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 213,840; Residential Outdoor: 71,280; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	51.00	9.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0163	0.5586	0.1361	1.8800e-003	0.0452	4.5000e-004	0.0456	0.0130	4.3000e-004	0.0135		196.5579	196.5579	0.0100		196.8084
Worker	0.1517	0.1032	0.9684	2.7300e-003	0.4267	1.9000e-003	0.4286	0.1132	1.7500e-003	0.1149		271.6366	271.6366	8.7400e-003		271.8551
Total	0.1680	0.6619	1.1045	4.6100e-003	0.4719	2.3500e-003	0.4742	0.1262	2.1800e-003	0.1284		468.1944	468.1944	0.0188		468.6635

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0163	0.5586	0.1361	1.8800e-003	0.0452	4.5000e-004	0.0456	0.0130	4.3000e-004	0.0135		196.5579	196.5579	0.0100		196.8084
Worker	0.1517	0.1032	0.9684	2.7300e-003	0.4267	1.9000e-003	0.4286	0.1132	1.7500e-003	0.1149		271.6366	271.6366	8.7400e-003		271.8551
Total	0.1680	0.6619	1.1045	4.6100e-003	0.4719	2.3500e-003	0.4742	0.1262	2.1800e-003	0.1284		468.1944	468.1944	0.0188		468.6635

3.3 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	30.2057	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0298	0.0202	0.1899	5.3000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		53.2621	53.2621	1.7100e-003		53.3049
Total	0.0298	0.0202	0.1899	5.3000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		53.2621	53.2621	1.7100e-003		53.3049

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	30.0942	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0298	0.0202	0.1899	5.3000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		53.2621	53.2621	1.7100e-003		53.3049
Total	0.0298	0.0202	0.1899	5.3000e-004	0.0837	3.7000e-004	0.0840	0.0222	3.4000e-004	0.0225		53.2621	53.2621	1.7100e-003		53.3049

3.4 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0304	0.2848	8.0000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		79.8931	79.8931	2.5700e-003		79.9574
Total	0.0446	0.0304	0.2848	8.0000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		79.8931	79.8931	2.5700e-003		79.9574

Mitigated Construction On-Site

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

Off-Road	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0304	0.2848	8.0000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		79.8931	79.8931	2.5700e-003		79.9574
Total	0.0446	0.0304	0.2848	8.0000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.1000e-004	0.0338		79.8931	79.8931	2.5700e-003		79.9574

APPENDIX C.12

Year 11 (Construction)

Section 31 Specific Plan Project (Year 11 Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Year 11 Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	43.00	Dwelling Unit	1.13	43,000.00	139
Single Family Housing	27.00	Dwelling Unit	8.77	48,600.00	87

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 11 construction schedule anticipated to start 1/2/2030 and end 12/31/2030.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	260.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	4/22/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	2/25/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	3/25/2031	12/31/2030
tblConstructionPhase	PhaseStartDate	3/26/2031	10/31/2030
tblConstructionPhase	PhaseStartDate	2/26/2031	11/30/2030
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.7790	1.1964	2.4436	4.9100e-003	0.0514	0.0236	0.0750	0.0138	0.0236	0.0373	0.0000	421.1316	421.1316	0.0169	0.0000	421.5552
Maximum	0.7790	1.1964	2.4436	4.9100e-003	0.0514	0.0236	0.0750	0.0138	0.0236	0.0373	0.0000	421.1316	421.1316	0.0169	0.0000	421.5552

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.6858	2.0713	2.6834	4.9100e-003	0.0514	0.0192	0.0706	0.0138	0.0192	0.0329	0.0000	421.1312	421.1312	0.0169	0.0000	421.5548
Maximum	0.6858	2.0713	2.6834	4.9100e-003	0.0514	0.0192	0.0706	0.0138	0.0192	0.0329	0.0000	421.1312	421.1312	0.0169	0.0000	421.5548

	ROG	NOx	CO	SO2	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	11.97	-73.12	-9.82	0.00	0.00	18.66	5.87	0.00	18.68	11.82	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2030	4-1-2030	0.3177	0.4995
2	4-2-2030	7-1-2030	0.3220	0.5058

3	7-2-2030	9-30-2030	0.3220	0.5058
		Highest	0.3220	0.5058

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2030	12/31/2030	5	260	
2	Paving	Paving	11/30/2030	12/31/2030	5	22	
3	Architectural Coating	Architectural Coating	10/31/2030	12/31/2030	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 185,490; Residential Outdoor: 61,830; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	41.00	7.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2030

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5500e-003	0.0569	0.0121	1.9000e-004	4.5200e-003	4.0000e-005	4.5700e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	18.5064	18.5064	8.3000e-004	0.0000	18.5272
Worker	0.0150	0.0102	0.1102	3.0000e-004	0.0441	1.8000e-004	0.0443	0.0117	1.7000e-004	0.0119	0.0000	27.0488	27.0488	8.8000e-004	0.0000	27.0707
Total	0.0165	0.0671	0.1222	4.9000e-004	0.0486	2.2000e-004	0.0488	0.0130	2.1000e-004	0.0132	0.0000	45.5552	45.5552	1.7100e-003	0.0000	45.5979

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	0.0876	1.8494	2.3236	4.0200e-003		0.0176	0.0176		0.0176	0.0176	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0876	1.8494	2.3236	4.0200e-003		0.0176	0.0176		0.0176	0.0176	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5500e-003	0.0569	0.0121	1.9000e-004	4.5200e-003	4.0000e-005	4.5700e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	18.5064	18.5064	8.3000e-004	0.0000	18.5272
Worker	0.0150	0.0102	0.1102	3.0000e-004	0.0441	1.8000e-004	0.0443	0.0117	1.7000e-004	0.0119	0.0000	27.0488	27.0488	8.8000e-004	0.0000	27.0707

Total	0.0165	0.0671	0.1222	4.9000e-004	0.0486	2.2000e-004	0.0488	0.0130	2.1000e-004	0.0132	0.0000	45.5552	45.5552	1.7100e-003	0.0000	45.5979
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3.3 Paving - 2030

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	0.0152	0.0783	0.1743	3.1000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	26.5095	26.5095	1.2400e-003	0.0000	26.5405
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0152	0.0783	0.1743	3.1000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	26.5095	26.5095	1.2400e-003	0.0000	26.5405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.4100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8374	0.8374	3.0000e-005	0.0000	0.8380
Total	4.6000e-004	3.2000e-004	3.4100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8374	0.8374	3.0000e-005	0.0000	0.8380

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	6.1700e-003	0.1243	0.1903	3.1000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	26.5094	26.5094	1.2400e-003	0.0000	26.5405
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.1700e-003	0.1243	0.1903	3.1000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	26.5094	26.5094	1.2400e-003	0.0000	26.5405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.4100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8374	0.8374	3.0000e-005	0.0000	0.8380
Total	4.6000e-004	3.2000e-004	3.4100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.8374	0.8374	3.0000e-005	0.0000	0.8380

3.4 Architectural Coating - 2030

Unmitigated Construction On-Site

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

Archit. Coating	0.5732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8800e-003	0.0188	0.0396	7.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	5.6172	5.6172	2.3000e-004	0.0000	5.6228
Total	0.5760	0.0188	0.0396	7.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	5.6172	5.6172	2.3000e-004	0.0000	5.6228

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.4000e-004	3.6400e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	0.8932	0.8932	3.0000e-005	0.0000	0.8939
Total	5.0000e-004	3.4000e-004	3.6400e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	0.8932	0.8932	3.0000e-005	0.0000	0.8939

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	2.3000e-004	0.0000	5.6228
Total	0.5745	0.0299	0.0403	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.6172	5.6172	2.3000e-004	0.0000	5.6228

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.4000e-004	3.6400e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	0.8932	0.8932	3.0000e-005	0.0000	0.8939
Total	5.0000e-004	3.4000e-004	3.6400e-003	1.0000e-005	1.4600e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	0.8932	0.8932	3.0000e-005	0.0000	0.8939

Section 31 Specific Plan Project (Year 11 Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Year 11 Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	43.00	Dwelling Unit	1.13	43,000.00	139
Single Family Housing	27.00	Dwelling Unit	8.77	48,600.00	87

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Year 11 construction schedule anticipated to start 1/2/2030 and end 12/31/2030.

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on Transportation Impact Study

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	260.00

tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	4/22/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	2/25/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	3/25/2031	12/31/2030
tblConstructionPhase	PhaseStartDate	3/26/2031	10/31/2030
tblConstructionPhase	PhaseStartDate	2/26/2031	11/30/2030
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2030	29.0997	16.4719	35.5554	0.0675	0.5706	0.5016	1.0723	0.1522	0.5014	0.6536	0.0000	6,391.6583	6,391.6583	0.2722	0.0000	6,398.4626
Maximum	29.0997	16.4719	35.5554	0.0675	0.5706	0.5016	1.0723	0.1522	0.5014	0.6536	0.0000	6,391.6583	6,391.6583	0.2722	0.0000	6,398.4626

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	27.5695	27.4390	38.7530	0.0675	0.5706	0.2438	0.8144	0.1522	0.2436	0.3957	0.0000	6,391.6583	6,391.6583	0.2722	0.0000	6,398.4626
Maximum	27.5695	27.4390	38.7530	0.0675	0.5706	0.2438	0.8144	0.1522	0.2436	0.3957	0.0000	6,391.6583	6,391.6583	0.2722	0.0000	6,398.4626

	ROG	NOx	CO	SO2	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	5.26	-66.58	-8.99	0.00	0.00	51.41	24.05	0.00	51.43	39.46	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2030	12/31/2030	5	260	
2	Paving	Paving	11/30/2030	12/31/2030	5	22	
3	Architectural Coating	Architectural Coating	10/31/2030	12/31/2030	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0117	0.4396	0.0858	1.5300e-003	0.0352	3.4000e-004	0.0355	0.0101	3.2000e-004	0.0105		160.2006	160.2006	6.7000e-003		160.3682
Worker	0.1349	0.0776	1.0668	2.5500e-003	0.3430	1.4200e-003	0.3445	0.0910	1.3000e-003	0.0923		253.6530	253.6530	8.5200e-003		253.8660
Total	0.1467	0.5172	1.1527	4.0800e-003	0.3782	1.7600e-003	0.3799	0.1011	1.6200e-003	0.1027		413.8536	413.8536	0.0152		414.2342

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0117	0.4396	0.0858	1.5300e-003	0.0352	3.4000e-004	0.0355	0.0101	3.2000e-004	0.0105		160.2006	160.2006	6.7000e-003		160.3682
Worker	0.1349	0.0776	1.0668	2.5500e-003	0.3430	1.4200e-003	0.3445	0.0910	1.3000e-003	0.0923		253.6530	253.6530	8.5200e-003		253.8660
Total	0.1467	0.5172	1.1527	4.0800e-003	0.3782	1.7600e-003	0.3799	0.1011	1.6200e-003	0.1027		413.8536	413.8536	0.0152		414.2342

3.3 Paving - 2030

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778
Total	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778
Total	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778

3.4 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	26.1837	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0152	0.2082	5.0000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		49.4933	49.4933	1.6600e-003		49.5348
Total	0.0263	0.0152	0.2082	5.0000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		49.4933	49.4933	1.6600e-003		49.5348

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328

Total	26.1123	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0152	0.2082	5.0000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		49.4933	49.4933	1.6600e-003		49.5348
Total	0.0263	0.0152	0.2082	5.0000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		49.4933	49.4933	1.6600e-003		49.5348

Section 31 Specific Plan Project (Year 11 Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Year 11 Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	43.00	Dwelling Unit	1.13	43,000.00	139
Single Family Housing	27.00	Dwelling Unit	8.77	48,600.00	87

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

NOTE: Only construction emissions were used during this phase. To avoid confusion, portions of this output related to operation were removed.

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Year 11 construction schedule anticipated to start 1/2/2030 and end 12/31/2030.
- On-road Fugitive Dust - All paved roads in Project vicinity
- Vehicle Trips - Trip rates based on Transportation Impact Study
- Road Dust - All paved roads in Project vicinity
- Woodstoves - No woodstoves
- Water And Wastewater -
- Construction Off-road Equipment Mitigation - SCAQMD staff recommends at the minimum Tier 3 Equipment with Level 3 DPF.
- Area Mitigation -
- Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	260.00

tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	PhaseEndDate	4/22/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	2/25/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	3/25/2031	12/31/2030
tblConstructionPhase	PhaseStartDate	3/26/2031	10/31/2030
tblConstructionPhase	PhaseStartDate	2/26/2031	11/30/2030
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2030	29.0694	16.4673	35.0757	0.0668	0.5706	0.5016	1.0723	0.1522	0.5014	0.6536	0.0000	6,320.5932	6,320.5932	0.2703	0.0000	6,327.3512
Maximum	29.0694	16.4673	35.0757	0.0668	0.5706	0.5016	1.0723	0.1522	0.5014	0.6536	0.0000	6,320.5932	6,320.5932	0.2703	0.0000	6,327.3512

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	27.5392	27.4345	38.2733	0.0668	0.5706	0.2438	0.8144	0.1522	0.2436	0.3957	0.0000	6,320.5932	6,320.5932	0.2703	0.0000	6,327.3512
Maximum	27.5392	27.4345	38.2733	0.0668	0.5706	0.2438	0.8144	0.1522	0.2436	0.3957	0.0000	6,320.5932	6,320.5932	0.2703	0.0000	6,327.3512

	ROG	NOx	CO	SO2	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	5.26	-66.60	-9.12	0.00	0.00	51.41	24.05	0.00	51.43	39.46	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2030	12/31/2030	5	260	
2	Paving	Paving	11/30/2030	12/31/2030	5	22	
3	Architectural Coating	Architectural Coating	10/31/2030	12/31/2030	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0125	0.4321	0.1035	1.4500e-003	0.0352	3.5000e-004	0.0355	0.0101	3.3000e-004	0.0105		152.3930	152.3930	7.5300e-003		152.5813
Worker	0.1150	0.0795	0.7482	2.1400e-003	0.3430	1.4200e-003	0.3445	0.0910	1.3000e-003	0.0923		213.1287	213.1287	6.8000e-003		213.2987
Total	0.1275	0.5116	0.8517	3.5900e-003	0.3782	1.7700e-003	0.3800	0.1011	1.6300e-003	0.1028		365.5216	365.5216	0.0143		365.8800

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0125	0.4321	0.1035	1.4500e-003	0.0352	3.5000e-004	0.0355	0.0101	3.3000e-004	0.0105		152.3930	152.3930	7.5300e-003		152.5813
Worker	0.1150	0.0795	0.7482	2.1400e-003	0.3430	1.4200e-003	0.3445	0.0910	1.3000e-003	0.0923		213.1287	213.1287	6.8000e-003		213.2987
Total	0.1275	0.5116	0.8517	3.5900e-003	0.3782	1.7700e-003	0.3800	0.1011	1.6300e-003	0.1028		365.5216	365.5216	0.0143		365.8800

3.3 Paving - 2030

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361
Total	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361
Total	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361

3.4 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	26.1837	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0225	0.0155	0.1460	4.2000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		41.5861	41.5861	1.3300e-003		41.6193
Total	0.0225	0.0155	0.1460	4.2000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		41.5861	41.5861	1.3300e-003		41.6193

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328

Total	26.1123	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0225	0.0155	0.1460	4.2000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		41.5861	41.5861	1.3300e-003		41.6193
Total	0.0225	0.0155	0.1460	4.2000e-004	0.0669	2.8000e-004	0.0672	0.0178	2.5000e-004	0.0180		41.5861	41.5861	1.3300e-003		41.6193

APPENDIX C.13

Concurrent Construction/Buildout

Section 31 Specific Plan Project (Concurrent Construction) - Salton Sea Air Basin, Annual

Section 31 Specific Plan Project (Concurrent Construction)
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	400.00	Room	13.33	580,800.00	0
Recreational Swimming Pool	1,481.04	1000sqft	34.00	1,481,040.00	0
Apartments Mid Rise	832.00	Dwelling Unit	21.89	832,000.00	2687
Single Family Housing	1,100.00	Dwelling Unit	357.14	1,980,000.00	3553
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15	Operational Year		2031	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Recreational Swimming Pool includes 34-acre lagoon

Construction Phase - Construction to commence in 2020 with expected buildout in 2030. Coating and Paving to take place intermittently throughout

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on TIA dated 2/27/19. Weekday trip rates adjusted accordingly.

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater - Based on the WSA, the lagoon will utilize 248.54 acre-feet/year or approximately 80,986,993.4 gallons/year.

Construction Off-road Equipment Mitigation - SCAQMD staff recommends construction equipment to meet at the minimum Tier 3 requirements and equipped with Level 3 DPF

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	550.00	741.00
tblConstructionPhase	NumDays	7,750.00	2,869.00
tblConstructionPhase	NumDays	550.00	239.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	13.60	0.00

tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44
tblWater	IndoorWaterUseRate	87,593,362.04	0.00
tblWater	OutdoorWaterUseRate	53,686,254.16	80,986,993.40

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.7813	10.7542	13.3354	0.0403	2.4400	0.1933	2.6333	0.6564	0.1820	0.8384	0.0000	3,701.0022	3,701.0022	0.2925	0.0000	3,708.3145
2021	1.6381	9.8197	12.4181	0.0395	2.4400	0.1501	2.5901	0.6564	0.1410	0.7974	0.0000	3,632.4506	3,632.4506	0.2760	0.0000	3,639.3492
2022	1.5146	9.1119	11.5291	0.0385	2.4307	0.1277	2.5584	0.6538	0.1200	0.7739	0.0000	3,542.7937	3,542.7937	0.2588	0.0000	3,549.2629
2023	1.3878	7.4951	10.7116	0.0375	2.4307	0.1070	2.5377	0.6538	0.1005	0.7544	0.0000	3,444.5427	3,444.5427	0.2171	0.0000	3,449.9703
2024	1.3235	7.3569	10.3185	0.0372	2.4494	0.0965	2.5459	0.6589	0.0906	0.7495	0.0000	3,422.0837	3,422.0837	0.2121	0.0000	3,427.3867
2025	1.2450	7.1041	9.7733	0.0363	2.4400	0.0846	2.5246	0.6563	0.0794	0.7358	0.0000	3,335.8406	3,335.8406	0.2042	0.0000	3,340.9447
2026	1.1930	7.0202	9.3702	0.0355	2.4400	0.0842	2.5242	0.6563	0.0790	0.7354	0.0000	3,271.9727	3,271.9727	0.1984	0.0000	3,276.9319
2027	1.1450	6.9437	9.0270	0.0349	2.4400	0.0835	2.5235	0.6563	0.0784	0.7347	0.0000	3,216.6170	3,216.6170	0.1932	0.0000	3,221.4463

2028	8.0013	7.0697	9.8495	0.0371	2.7773	0.0897	2.8670	0.7459	0.0845	0.8304	0.0000	3,410.2344	3,410.2344	0.1966	0.0000	3,415.1497
2029	9.2748	7.0800	9.7971	0.0372	2.8532	0.0904	2.9436	0.7660	0.0853	0.8513	0.0000	3,422.2403	3,422.2403	0.1946	0.0000	3,427.1044
2030	9.3783	7.2539	11.4677	0.0407	2.8680	0.0756	2.9436	0.7700	0.0746	0.8446	0.0000	3,717.3519	3,717.3519	0.1466	0.0000	3,721.0157
Maximum	9.3783	10.7542	13.3354	0.0407	2.8680	0.1933	2.9436	0.7700	0.1820	0.8513	0.0000	3,717.3519	3,717.3519	0.2925	0.0000	3,721.0157

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.5926	10.1069	13.4692	0.0403	2.4400	0.0652	2.5052	0.6564	0.0626	0.7190	0.0000	3,701.0019	3,701.0019	0.2925	0.0000	3,708.3141
2021	1.4779	9.4013	12.5875	0.0395	2.4400	0.0427	2.4827	0.6564	0.0411	0.6975	0.0000	3,632.4502	3,632.4502	0.2760	0.0000	3,639.3489
2022	1.3804	8.9312	11.7255	0.0385	2.4307	0.0401	2.4708	0.6538	0.0387	0.6925	0.0000	3,542.7933	3,542.7933	0.2588	0.0000	3,549.2625
2023	1.2710	7.4745	10.9235	0.0375	2.4307	0.0337	2.4643	0.6538	0.0325	0.6864	0.0000	3,444.5423	3,444.5423	0.2171	0.0000	3,449.9699
2024	1.2190	7.4594	10.5421	0.0372	2.4494	0.0339	2.4833	0.6589	0.0328	0.6916	0.0000	3,422.0833	3,422.0833	0.2121	0.0000	3,427.3863
2025	1.1545	7.3333	10.0067	0.0363	2.4400	0.0335	2.4735	0.6563	0.0324	0.6887	0.0000	3,335.8403	3,335.8403	0.2042	0.0000	3,340.9444
2026	1.1025	7.2494	9.6037	0.0355	2.4400	0.0330	2.4730	0.6563	0.0319	0.6883	0.0000	3,271.9723	3,271.9723	0.1984	0.0000	3,276.9315
2027	1.0545	7.1729	9.2605	0.0349	2.4400	0.0324	2.4723	0.6563	0.0313	0.6877	0.0000	3,216.6167	3,216.6167	0.1932	0.0000	3,221.4459
2028	7.8989	7.3212	10.0847	0.0371	2.7773	0.0346	2.8120	0.7459	0.0335	0.7794	0.0000	3,410.2340	3,410.2340	0.1966	0.0000	3,415.1493
2029	9.1698	7.3368	10.0336	0.0372	2.8532	0.0344	2.8876	0.7660	0.0334	0.7994	0.0000	3,422.2399	3,422.2399	0.1946	0.0000	3,427.1040
2030	9.1877	8.6392	11.8690	0.0407	2.8680	0.0446	2.9126	0.7700	0.0436	0.8135	0.0000	3,717.3511	3,717.3511	0.1466	0.0000	3,721.0150
Maximum	9.1877	10.1069	13.4692	0.0407	2.8680	0.0652	2.9126	0.7700	0.0626	0.8135	0.0000	3,717.3511	3,717.3511	0.2925	0.0000	3,721.0150

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	3.63	-1.63	-2.13	0.00	0.00	63.81	2.58	0.00	62.90	8.12	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2020	4-1-2020	3.1029	2.8947
2	4-2-2020	7-1-2020	3.1657	2.9576
3	7-2-2020	10-1-2020	3.1998	2.9894
4	10-2-2020	1-1-2021	3.1334	2.9236
5	1-2-2021	4-1-2021	2.8036	2.6611
6	4-2-2021	7-1-2021	2.8991	2.7550
7	7-2-2021	10-1-2021	2.9302	2.7846
8	10-2-2021	1-1-2022	2.8630	2.7181
9	1-2-2022	4-1-2022	2.6096	2.5318
10	4-2-2022	7-1-2022	2.7008	2.6221
11	7-2-2022	10-1-2022	2.7298	2.6503
12	10-2-2022	1-1-2023	2.6622	2.5831
13	1-2-2023	4-1-2023	2.1835	2.1495
14	4-2-2023	7-1-2023	2.2681	2.2337
15	7-2-2023	10-1-2023	2.2924	2.2576
16	10-2-2023	1-1-2024	2.2306	2.1962
17	1-2-2024	4-1-2024	2.1408	2.1403
18	4-2-2024	7-1-2024	2.1978	2.1973
19	7-2-2024	10-1-2024	2.2213	2.2208
20	10-2-2024	1-1-2025	2.1629	2.1627
21	1-2-2025	4-1-2025	2.0439	2.0780
22	4-2-2025	7-1-2025	2.1214	2.1559
23	7-2-2025	10-1-2025	2.1441	2.1790
24	10-2-2025	1-1-2026	2.0883	2.1232
25	1-2-2026	4-1-2026	2.0105	2.0447
26	4-2-2026	7-1-2026	2.0854	2.1200

27	7-2-2026	10-1-2026	2.1078	2.1427
28	10-2-2026	1-1-2027	2.0543	2.0892
29	1-2-2027	4-1-2027	1.9799	2.0141
30	4-2-2027	7-1-2027	2.0526	2.0872
31	7-2-2027	10-1-2027	2.0746	2.1095
32	10-2-2027	1-1-2028	2.0230	2.0580
33	1-2-2028	4-1-2028	2.7421	2.7778
34	4-2-2028	7-1-2028	4.1439	4.1817
35	7-2-2028	10-1-2028	4.1888	4.2270
36	10-2-2028	1-1-2029	4.1326	4.1708
37	1-2-2029	4-1-2029	4.0162	4.0536
38	4-2-2029	7-1-2029	4.1137	4.1515
39	7-2-2029	10-1-2029	4.1583	4.1965
40	10-2-2029	1-1-2030	4.1028	4.1428
41	1-2-2030	4-1-2030	4.0190	4.2876
42	4-2-2030	7-1-2030	4.2040	4.5107
43	7-2-2030	9-30-2030	4.2040	4.5107
		Highest	4.2040	4.5107

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	16.6528	0.2004	14.3412	9.8000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	64.2865	64.2865	0.0232	7.5000e-004	65.0896
Energy	0.4379	3.8455	2.3524	0.0239		0.3025	0.3025		0.3025	0.3025	0.0000	12,660.4889	12,660.4889	0.4268	0.1506	12,716.0308
Mobile	6.0464	54.8995	58.6647	0.2678	17.8500	0.1054	17.9553	4.7921	0.0984	4.8905	0.0000	25,026.2511	25,026.2511	1.3648	0.0000	25,060.3715

Waste						0.0000	0.0000			0.0000	0.0000	2,168.7818	0.0000	2,168.7818	128.1713	0.0000	5,373.0652
Water						0.0000	0.0000			0.0000	0.0000	47.26678	1,217.8288	1,265.0955	4.9050	0.1250	1,424.9809
Total	23.1372	58.9454	75.3583	0.2926	17.8500	0.4904	18.3403	4.7921	0.4834	5.2755	2,216.0485	38,968.8553	41,184.9039	134.8912	0.2764	44,639.5380	

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	15.6110	0.2004	14.3412	9.8000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	64.2865	64.2865	0.0232	7.5000e-004	65.0896
Energy	0.4379	3.8455	2.3524	0.0239		0.3025	0.3025		0.3025	0.3025	0.0000	12,660.4889	12,660.4889	0.4268	0.1506	12,716.0308
Mobile	6.0464	54.8995	58.6647	0.2678	17.8500	0.1054	17.9553	4.7921	0.0984	4.8905	0.0000	25,026.2511	25,026.2511	1.3648	0.0000	25,060.3715
Waste						0.0000	0.0000		0.0000	0.0000	2,168.7818	0.0000	2,168.7818	128.1713	0.0000	5,373.0652
Water						0.0000	0.0000		0.0000	0.0000	37.8134	1,057.6236	1,095.4369	3.9275	0.1007	1,223.6435
Total	22.0954	58.9454	75.3583	0.2926	17.8500	0.4904	18.3403	4.7921	0.4834	5.2755	2,206.5952	38,808.6501	41,015.2453	133.9137	0.2521	44,438.2006

	ROG	NOx	CO	SO2	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	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.41	0.41	0.72	8.79	0.45

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/2/2020	12/31/2030	5	2869	
2	Architectural Coating	Architectural Coating	2/29/2028	12/31/2030	5	741	

3	Paving	Paving	1/31/2030	12/31/2030	5	239
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 5,694,300; Residential Outdoor: 1,898,100; Non-Residential Indoor: 1,133,700; Non-Residential Outdoor: 377,900;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	1,917.00	573.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	383.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5038	2.1987	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.2510	302.2510	0.0737	0.0000	304.0945
Total	0.2766	2.5038	2.1987	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.2510	302.2510	0.0737	0.0000	304.0945

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2356	7.3093	1.7814	0.0172	0.3719	0.0343	0.4061	0.1073	0.0328	0.1401	0.0000	1,632.3223	1,632.3223	0.1427	0.0000	1,635.8908
Worker	1.2691	0.9411	9.3554	0.0196	2.0682	0.0132	2.0814	0.5491	0.0122	0.5612	0.0000	1,766.4289	1,766.4289	0.0760	0.0000	1,768.3292
Total	1.5047	8.2504	11.1367	0.0368	2.4401	0.0475	2.4875	0.6564	0.0450	0.7013	0.0000	3,398.7512	3,398.7512	0.2188	0.0000	3,404.2200

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	0.0879	1.8565	2.3325	3.5100e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.2507	302.2507	0.0737	0.0000	304.0941
Total	0.0879	1.8565	2.3325	3.5100e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.2507	302.2507	0.0737	0.0000	304.0941

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2356	7.3093	1.7814	0.0172	0.3719	0.0343	0.4061	0.1073	0.0328	0.1401	0.0000	1,632.3223	1,632.3223	0.1427	0.0000	1,635.8908
Worker	1.2691	0.9411	9.3554	0.0196	2.0682	0.0132	2.0814	0.5491	0.0122	0.5612	0.0000	1,766.4289	1,766.4289	0.0760	0.0000	1,768.3292
Total	1.5047	8.2504	11.1367	0.0368	2.4401	0.0475	2.4875	0.6564	0.0450	0.7013	0.0000	3,398.7512	3,398.7512	0.2188	0.0000	3,404.2200

3.2 Building Construction - 2021

Unmitigated Construction On-Site

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

Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2077	6.6905	1.6018	0.0171	0.3719	0.0121	0.3839	0.1073	0.0115	0.1188	0.0000	1,623.1731	1,623.1731	0.1334	0.0000	1,626.5072
Worker	1.1822	0.8544	8.6532	0.0189	2.0682	0.0129	2.0811	0.5491	0.0119	0.5609	0.0000	1,706.9908	1,706.9908	0.0697	0.0000	1,708.7322
Total	1.3900	7.5448	10.2550	0.0360	2.4400	0.0250	2.4650	0.6564	0.0234	0.6798	0.0000	3,330.1639	3,330.1639	0.2030	0.0000	3,335.2394

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	0.0879	1.8565	2.3325	3.5100e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.0879	1.8565	2.3325	3.5100e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2077	6.6905	1.6018	0.0171	0.3719	0.0121	0.3839	0.1073	0.0115	0.1188	0.0000	1,623.1731	1,623.1731	0.1334	0.0000	1,626.5072
Worker	1.1822	0.8544	8.6532	0.0189	2.0682	0.0129	2.0811	0.5491	0.0119	0.5609	0.0000	1,706.9908	1,706.9908	0.0697	0.0000	1,708.7322
Total	1.3900	7.5448	10.2550	0.0360	2.4400	0.0250	2.4650	0.6564	0.0234	0.6798	0.0000	3,330.1639	3,330.1639	0.2030	0.0000	3,335.2394

3.2 Building Construction - 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

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
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1923	6.3065	1.4713	0.0169	0.3704	0.0101	0.3805	0.1069	9.6400e-003	0.1165	0.0000	1,603.3528	1,603.3528	0.1234	0.0000	1,606.4374
Worker	1.1005	0.7753	7.9306	0.0182	2.0602	0.0124	2.0727	0.5470	0.0114	0.5584	0.0000	1,638.1981	1,638.1981	0.0632	0.0000	1,639.7784
Total	1.2928	7.0818	9.4019	0.0350	2.4307	0.0225	2.4532	0.6538	0.0211	0.6749	0.0000	3,241.5509	3,241.5509	0.1866	0.0000	3,246.2158

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	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1923	6.3065	1.4713	0.0169	0.3704	0.0101	0.3805	0.1069	9.6400e-003	0.1165	0.0000	1,603.3528	1,603.3528	0.1234	0.0000	1,606.4374

Worker	1.1005	0.7753	7.9306	0.0182	2.0602	0.0124	2.0727	0.5470	0.0114	0.5584	0.0000	1,638.1981	1,638.1981	0.0632	0.0000	1,639.7784
Total	1.2928	7.0818	9.4019	0.0350	2.4307	0.0225	2.4532	0.6538	0.0211	0.6749	0.0000	3,241.5509	3,241.5509	0.1866	0.0000	3,246.2158

3.2 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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1514	4.9157	1.2797	0.0165	0.3704	3.9800e-003	0.3744	0.1069	3.8100e-003	0.1107	0.0000	1,567.2183	1,567.2183	0.0877	0.0000	1,569.4097
Worker	1.0320	0.7094	7.3201	0.0175	2.0602	0.0121	2.0723	0.5470	0.0111	0.5581	0.0000	1,575.9782	1,575.9782	0.0578	0.0000	1,577.4222
Total	1.1834	5.6251	8.5999	0.0340	2.4307	0.0161	2.4467	0.6538	0.0149	0.6688	0.0000	3,143.1965	3,143.1965	0.1454	0.0000	3,146.8320

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	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1514	4.9157	1.2797	0.0165	0.3704	3.9800e-003	0.3744	0.1069	3.8100e-003	0.1107	0.0000	1,567.2183	1,567.2183	0.0877	0.0000	1,569.4097
Worker	1.0320	0.7094	7.3201	0.0175	2.0602	0.0121	2.0723	0.5470	0.0111	0.5581	0.0000	1,575.9782	1,575.9782	0.0578	0.0000	1,577.4222
Total	1.1834	5.6251	8.5999	0.0340	2.4307	0.0161	2.4467	0.6538	0.0149	0.6688	0.0000	3,143.1965	3,143.1965	0.1454	0.0000	3,146.8320

3.2 Building Construction - 2024

Unmitigated Construction On-Site

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

Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1486	4.9335	1.2309	0.0166	0.3733	3.9800e-003	0.3773	0.1077	3.8100e-003	0.1115	0.0000	1,573.8669	1,573.8669	0.0855	0.0000	1,576.0038
Worker	0.9821	0.6622	6.9697	0.0171	2.0761	0.0122	2.0883	0.5512	0.0112	0.5624	0.0000	1,544.4945	1,544.4945	0.0548	0.0000	1,545.8650
Total	1.1307	5.5958	8.2006	0.0337	2.4494	0.0162	2.4655	0.6589	0.0150	0.6739	0.0000	3,118.3613	3,118.3613	0.1403	0.0000	3,121.8688

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	0.0883	1.8636	2.3415	3.5300e-003		0.0178	0.0178		0.0178	0.0178	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0883	1.8636	2.3415	3.5300e-003		0.0178	0.0178		0.0178	0.0178	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1486	4.9335	1.2309	0.0166	0.3733	3.9800e-003	0.3773	0.1077	3.8100e-003	0.1115	0.0000	1,573.8669	1,573.8669	0.0855	0.0000	1,576.0038
Worker	0.9821	0.6622	6.9697	0.0171	2.0761	0.0122	2.0883	0.5512	0.0112	0.5624	0.0000	1,544.4945	1,544.4945	0.0548	0.0000	1,545.8650
Total	1.1307	5.5958	8.2006	0.0337	2.4494	0.0162	2.4655	0.6589	0.0150	0.6739	0.0000	3,118.3613	3,118.3613	0.1403	0.0000	3,121.8688

3.2 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1431	4.8625	1.1674	0.0164	0.3718	3.9100e-003	0.3757	0.1073	3.7300e-003	0.1110	0.0000	1,556.1587	1,556.1587	0.0821	0.0000	1,558.2113
Worker	0.9235	0.6143	6.5068	0.0164	2.0682	0.0119	2.0801	0.5491	0.0109	0.5600	0.0000	1,477.0271	1,477.0271	0.0509	0.0000	1,478.2999
Total	1.0666	5.4768	7.6742	0.0327	2.4400	0.0158	2.4558	0.6563	0.0147	0.6710	0.0000	3,033.1858	3,033.1858	0.1330	0.0000	3,036.5112

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	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1431	4.8625	1.1674	0.0164	0.3718	3.9100e-003	0.3757	0.1073	3.7300e-003	0.1110	0.0000	1,556.1587	1,556.1587	0.0821	0.0000	1,558.2113

Worker	0.9235	0.6143	6.5068	0.0164	2.0682	0.0119	2.0801	0.5491	0.0109	0.5600	0.0000	1,477.0271	1,477.0271	0.0509	0.0000	1,478.2999
Total	1.0666	5.4768	7.6742	0.0327	2.4400	0.0158	2.4558	0.6563	0.0147	0.6710	0.0000	3,033.1858	3,033.1858	0.1330	0.0000	3,036.5112

3.2 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1388	4.8142	1.1180	0.0163	0.3718	3.8500e-003	0.3757	0.1073	3.6800e-003	0.1110	0.0000	1,545.7626	1,545.7626	0.0791	0.0000	1,547.7407
Worker	0.8758	0.5786	6.1531	0.0158	2.0682	0.0115	2.0797	0.5491	0.0106	0.5596	0.0000	1,423.5553	1,423.5553	0.0481	0.0000	1,424.7577
Total	1.0145	5.3929	7.2711	0.0320	2.4400	0.0154	2.4553	0.6563	0.0143	0.6706	0.0000	2,969.3178	2,969.3178	0.1272	0.0000	2,972.4984

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	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1388	4.8142	1.1180	0.0163	0.3718	3.8500e-003	0.3757	0.1073	3.6800e-003	0.1110	0.0000	1,545.7626	1,545.7626	0.0791	0.0000	1,547.7407
Worker	0.8758	0.5786	6.1531	0.0158	2.0682	0.0115	2.0797	0.5491	0.0106	0.5596	0.0000	1,423.5553	1,423.5553	0.0481	0.0000	1,424.7577
Total	1.0145	5.3929	7.2711	0.0320	2.4400	0.0154	2.4553	0.6563	0.0143	0.6706	0.0000	2,969.3178	2,969.3178	0.1272	0.0000	2,972.4984

3.2 Building Construction - 2027

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1351	4.7683	1.0762	0.0162	0.3718	3.7900e-003	0.3756	0.1073	3.6200e-003	0.1109	0.0000	1,537.0777	1,537.0777	0.0762	0.0000	1,538.9836
Worker	0.8314	0.5481	5.8518	0.0152	2.0682	0.0109	2.0790	0.5491	0.0100	0.5591	0.0000	1,376.8845	1,376.8845	0.0458	0.0000	1,378.0292
Total	0.9665	5.3164	6.9280	0.0314	2.4400	0.0147	2.4547	0.6563	0.0136	0.6700	0.0000	2,913.9621	2,913.9621	0.1220	0.0000	2,917.0128

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	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1351	4.7683	1.0762	0.0162	0.3718	3.7900e-003	0.3756	0.1073	3.6200e-003	0.1109	0.0000	1,537.0777	1,537.0777	0.0762	0.0000	1,538.9836
Worker	0.8314	0.5481	5.8518	0.0152	2.0682	0.0109	2.0790	0.5491	0.0100	0.5591	0.0000	1,376.8845	1,376.8845	0.0458	0.0000	1,378.0292
Total	0.9665	5.3164	6.9280	0.0314	2.4400	0.0147	2.4547	0.6563	0.0136	0.6700	0.0000	2,913.9621	2,913.9621	0.1220	0.0000	2,917.0128

3.2 Building Construction - 2028

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

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
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1317	4.7155	1.0408	0.0161	0.3704	3.7300e-003	0.3741	0.1069	3.5700e-003	0.1104	0.0000	1,525.6158	1,525.6158	0.0730	0.0000	1,527.4404
Worker	0.7873	0.5202	5.5805	0.0147	2.0602	0.0100	2.0703	0.5470	9.2200e-003	0.5562	0.0000	1,331.1513	1,331.1513	0.0439	0.0000	1,332.2476
Total	0.9190	5.2357	6.6213	0.0308	2.4306	0.0138	2.4444	0.6538	0.0128	0.6666	0.0000	2,856.7671	2,856.7671	0.1168	0.0000	2,859.6880

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	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0876	1.8494	2.3236	3.5000e-003		0.0176	0.0176		0.0176	0.0176	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1317	4.7155	1.0408	0.0161	0.3704	3.7300e-003	0.3741	0.1069	3.5700e-003	0.1104	0.0000	1,525.6158	1,525.6158	0.0730	0.0000	1,527.4404

Worker	0.7873	0.5202	5.5805	0.0147	2.0602	0.0100	2.0703	0.5470	9.2200e-003	0.5562	0.0000	1,331.1513	1,331.1513	0.0439	0.0000	1,332.2476
Total	0.9190	5.2357	6.6213	0.0308	2.4306	0.0138	2.4444	0.6538	0.0128	0.6666	0.0000	2,856.7671	2,856.7671	0.1168	0.0000	2,859.6880

3.2 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1295	4.7041	1.0148	0.0161	0.3718	3.7100e-003	0.3755	0.1073	3.5500e-003	0.1108	0.0000	1,525.6723	1,525.6723	0.0706	0.0000	1,527.4383
Worker	0.7470	0.4993	5.3735	0.0144	2.0682	9.3100e-003	2.0775	0.5491	8.5600e-003	0.5576	0.0000	1,300.7204	1,300.7204	0.0425	0.0000	1,301.7824
Total	0.8765	5.2034	6.3884	0.0305	2.4400	0.0130	2.4530	0.6563	0.0121	0.6684	0.0000	2,826.3927	2,826.3927	0.1131	0.0000	2,829.2207

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	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.0177	0.0177		0.0177	0.0177	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1295	4.7041	1.0148	0.0161	0.3718	3.7100e-003	0.3755	0.1073	3.5500e-003	0.1108	0.0000	1,525.6723	1,525.6723	0.0706	0.0000	1,527.4383
Worker	0.7470	0.4993	5.3735	0.0144	2.0682	9.3100e-003	2.0775	0.5491	8.5600e-003	0.5576	0.0000	1,300.7204	1,300.7204	0.0425	0.0000	1,301.7824
Total	0.8765	5.2034	6.3884	0.0305	2.4400	0.0130	2.4530	0.6563	0.0121	0.6684	0.0000	2,826.3927	2,826.3927	0.1131	0.0000	2,829.2207

3.2 Building Construction - 2030

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1272	4.6780	0.9907	0.0160	0.3718	3.6700e-003	0.3755	0.1073	3.5100e-003	0.1108	0.0000	1,520.7057	1,520.7057	0.0683	0.0000	1,522.4127
Worker	0.7037	0.4788	5.1699	0.0141	2.0682	8.6400e-003	2.0768	0.5491	7.9500e-003	0.5570	0.0000	1,269.5598	1,269.5598	0.0412	0.0000	1,270.5885
Total	0.8309	5.1568	6.1606	0.0300	2.4400	0.0123	2.4523	0.6563	0.0115	0.6678	0.0000	2,790.2655	2,790.2655	0.1094	0.0000	2,793.0011

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	0.0879	1.8565	2.3325	4.0400e-003		0.0177	0.0177		0.0177	0.0177	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.0879	1.8565	2.3325	4.0400e-003		0.0177	0.0177		0.0177	0.0177	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1272	4.6780	0.9907	0.0160	0.3718	3.6700e-003	0.3755	0.1073	3.5100e-003	0.1108	0.0000	1,520.7057	1,520.7057	0.0683	0.0000	1,522.4127
Worker	0.7037	0.4788	5.1699	0.0141	2.0682	8.6400e-003	2.0768	0.5491	7.9500e-003	0.5570	0.0000	1,269.5598	1,269.5598	0.0412	0.0000	1,270.5885
Total	0.8309	5.1568	6.1606	0.0300	2.4400	0.0123	2.4523	0.6563	0.0115	0.6678	0.0000	2,790.2655	2,790.2655	0.1094	0.0000	2,793.0011

3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.7533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0187	0.1254	0.1981	3.3000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003	0.0000	27.9581	27.9581	1.5300e-003	0.0000	27.9963
Total	6.7720	0.1254	0.1981	3.3000e-004		5.6400e-003	5.6400e-003		5.6400e-003	5.6400e-003	0.0000	27.9581	27.9581	1.5300e-003	0.0000	27.9963

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
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Worker	0.1325	0.0875	0.9391	2.4800e-003	0.3467	1.6900e-003	0.3484	0.0921	1.5500e-003	0.0936	0.0000	224.0138	224.0138	7.3800e-003	0.0000	224.1983
Total	0.1325	0.0875	0.9391	2.4800e-003	0.3467	1.6900e-003	0.3484	0.0921	1.5500e-003	0.0936	0.0000	224.0138	224.0138	7.3800e-003	0.0000	224.1983

3.3 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.0484						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	8.0707	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1492	0.0998	1.0736	2.8800e-003	0.4132	1.8600e-003	0.4151	0.1097	1.7100e-003	0.1114	0.0000	259.8727	259.8727	8.4900e-003	0.0000	260.0848
Total	0.1492	0.0998	1.0736	2.8800e-003	0.4132	1.8600e-003	0.4151	0.1097	1.7100e-003	0.1114	0.0000	259.8727	259.8727	8.4900e-003	0.0000	260.0848

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.0484					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	8.0562	0.1771	0.2391	3.9000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1492	0.0998	1.0736	2.8800e-003	0.4132	1.8600e-003	0.4151	0.1097	1.7100e-003	0.1114	0.0000	259.8727	259.8727	8.4900e-003	0.0000	260.0848
Total	0.1492	0.0998	1.0736	2.8800e-003	0.4132	1.8600e-003	0.4151	0.1097	1.7100e-003	0.1114	0.0000	259.8727	259.8727	8.4900e-003	0.0000	260.0848

3.3 Architectural Coating - 2030

Unmitigated Construction On-Site

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

Archit. Coating	8.0484					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	8.0655	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1406	0.0957	1.0329	2.8100e-003	0.4132	1.7300e-003	0.4149	0.1097	1.5900e-003	0.1113	0.0000	253.6471	253.6471	8.2200e-003	0.0000	253.8526
Total	0.1406	0.0957	1.0329	2.8100e-003	0.4132	1.7300e-003	0.4149	0.1097	1.5900e-003	0.1113	0.0000	253.6471	253.6471	8.2200e-003	0.0000	253.8526

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.0484					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	8.0562	0.1771	0.2391	3.9000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1406	0.0957	1.0329	2.8100e-003	0.4132	1.7300e-003	0.4149	0.1097	1.5900e-003	0.1113	0.0000	253.6471	253.6471	8.2200e-003	0.0000	253.8526
Total	0.1406	0.0957	1.0329	2.8100e-003	0.4132	1.7300e-003	0.4149	0.1097	1.5900e-003	0.1113	0.0000	253.6471	253.6471	8.2200e-003	0.0000	253.8526

3.4 Paving - 2030

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	0.1655	0.8509	1.8940	3.3500e-003		0.0395	0.0395		0.0395	0.0395	0.0000	287.9892	287.9892	0.0135	0.0000	288.3267
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1655	0.8509	1.8940	3.3500e-003		0.0395	0.0395		0.0395	0.0395	0.0000	287.9892	287.9892	0.0135	0.0000	288.3267

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
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Worker	5.0400e-003	3.4300e-003	0.0370	1.0000e-004	0.0148	6.0000e-005	0.0149	3.9300e-003	6.0000e-005	3.9900e-003	0.0000	9.0966	9.0966	2.9000e-004	0.0000	9.1040
Total	5.0400e-003	3.4300e-003	0.0370	1.0000e-004	0.0148	6.0000e-005	0.0149	3.9300e-003	6.0000e-005	3.9900e-003	0.0000	9.0966	9.0966	2.9000e-004	0.0000	9.1040

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.0464	54.8995	58.6647	0.2678	17.8500	0.1054	17.9553	4.7921	0.0984	4.8905	0.0000	25,026.2511	25,026.2511	1.3648	0.0000	25,060.3715
Unmitigated	6.0464	54.8995	58.6647	0.2678	17.8500	0.1054	17.9553	4.7921	0.0984	4.8905	0.0000	25,026.2511	25,026.2511	1.3648	0.0000	25,060.3715

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,526.08	4,351.36	3985.28	9,895,832	9,895,832
Hotel	3,344.00	3,352.00	2436.00	4,775,046	4,775,046
Recreational Swimming Pool	0.00	0.00	0.00		
Regional Shopping Center	6,606.25	7,731.50	3904.25	8,451,120	8,451,120
Single Family Housing	10,384.00	10,813.00	9405.00	23,052,430	23,052,430
Total	24,860.33	26,247.86	19,730.53	46,174,428	46,174,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Apartments Mid Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Hotel	12.50	4.20	5.40	19.40	61.60	19.00	58	38	4
Recreational Swimming Pool	12.50	4.20	5.40	33.00	48.00	19.00	52	39	9
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11
Single Family Housing	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Hotel	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Recreational Swimming Pool	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Regional Shopping Center	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Single Family Housing	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8,326.9876	8,326.9876	0.3438	0.0711	8,356.7777
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8,326.9876	8,326.9876	0.3438	0.0711	8,356.7777
NaturalGas Mitigated	0.4379	3.8455	2.3524	0.0239		0.3025	0.3025		0.3025	0.3025	0.0000	4,333.5013	4,333.5013	0.0831	0.0795	4,359.2533
NaturalGas Unmitigated	0.4379	3.8455	2.3524	0.0239		0.3025	0.3025		0.3025	0.3025	0.0000	4,333.5013	4,333.5013	0.0831	0.0795	4,359.2533

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.23087e+007	0.0664	0.5672	0.2414	3.6200e-003		0.0459	0.0459		0.0459	0.0459	0.0000	656.8378	656.8378	0.0126	0.0120	660.7410
Hotel	3.48538e+007	0.1879	1.7085	1.4352	0.0103		0.1299	0.1299		0.1299	0.1299	0.0000	1,859.9319	1,859.9319	0.0357	0.0341	1,870.9846
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	388500	2.0900e-003	0.0190	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7318	20.7318	4.0000e-004	3.8000e-004	20.8550
Single Family Housing	3.36558e+007	0.1815	1.5508	0.6599	9.9000e-003		0.1254	0.1254		0.1254	0.1254	0.0000	1,795.9998	1,795.9998	0.0344	0.0329	1,806.6725
Total		0.4379	3.8455	2.3524	0.0239		0.3025	0.3025		0.3025	0.3025	0.0000	4,333.5013	4,333.5013	0.0831	0.0795	4,359.2531

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.23087e+007	0.0664	0.5672	0.2414	3.6200e-003		0.0459	0.0459		0.0459	0.0459	0.0000	656.8378	656.8378	0.0126	0.0120	660.7410
Hotel	3.48538e+007	0.1879	1.7085	1.4352	0.0103		0.1299	0.1299		0.1299	0.1299	0.0000	1,859.9319	1,859.9319	0.0357	0.0341	1,870.9846
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	388500	2.0900e-003	0.0190	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7318	20.7318	4.0000e-004	3.8000e-004	20.8550
Single Family Housing	3.36558e+007	0.1815	1.5508	0.6599	9.9000e-003		0.1254	0.1254		0.1254	0.1254	0.0000	1,795.9998	1,795.9998	0.0344	0.0329	1,806.6725

Total		0.4379	3.8455	2.3524	0.0239		0.3025	0.3025		0.3025	0.3025	0.0000	4,333.5013	4,333.5013	0.0831	0.0795	4,359.2531
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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			
Apartments Mid Rise	3.80033e+006	1,210.8681	0.0500	0.0103	1,215.2000
Hotel	1.05357e+007	3,356.9036	0.1386	0.0287	3,368.9130
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.21025e+006	704.2330	0.0291	6.0200e-003	706.7524
Single Family Housing	9.58813e+006	3,054.9830	0.1261	0.0261	3,065.9123
Total		8,326.9876	0.3438	0.0711	8,356.7777

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.80033e+006	1,210.8681	0.0500	0.0103	1,215.2000
Hotel	1.05357e+007	3,356.9036	0.1386	0.0287	3,368.9130
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.21025e+006	704.2330	0.0291	6.0200e-003	706.7524

Single Family Housing	9.58813e+006	3,054.9830	0.1261	0.0261	3,065.9123
Total		8,326.9876	0.3438	0.0711	8,356.7777

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	15.6110	0.2004	14.3412	9.8000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	64.2865	64.2865	0.0232	7.5000e-004	65.0896
Unmitigated	16.6528	0.2004	14.3412	9.8000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	64.2865	64.2865	0.0232	7.5000e-004	65.0896

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	2.2850				0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	13.9340				0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Hearth	4.1200e-003	0.0352	0.0150	2.2000e-004	2.8500e-003	2.8500e-003		2.8500e-003	2.8500e-003	0.0000	40.8170	40.8170	7.8000e-004	7.5000e-004	41.0595	
Landscaping	0.4297	0.1651	14.3262	7.6000e-004	0.0796	0.0796		0.0796	0.0796	0.0000	23.4696	23.4696	0.0224	0.0000	24.0301	
Total	16.6528	0.2004	14.3412	9.8000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	64.2865	64.2865	0.0232	7.5000e-004	65.0896

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	2.2850						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.8923						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.1200e-003	0.0352	0.0150	2.2000e-004	2.8500e-003	2.8500e-003		2.8500e-003	2.8500e-003	0.0000	40.8170	40.8170	7.8000e-004	7.5000e-004	41.0595	
Landscaping	0.4297	0.1651	14.3262	7.6000e-004	0.0796	0.0796		0.0796	0.0796	0.0000	23.4696	23.4696	0.0224	0.0000	24.0301	
Total	15.6111	0.2004	14.3412	9.8000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	64.2865	64.2865	0.0232	7.5000e-004	65.0896

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,095.4369	3.9275	0.1007	1,223.6435
Unmitigated	1,265.0955	4.9050	0.1250	1,424.9809

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	54.2081 / 34.1747	363.0694	1.7807	0.0447	420.8950
Hotel	10.1467 / 1.12741	49.3063	0.3325	8.2000e-003	60.0635
Recreational Swimming Pool	0 / 80.987	286.6846	0.0118	2.4500e-003	287.7102
Regional Shopping Center	12.9627 / 7.94488	86.0156	0.4258	0.0107	99.8405
Single Family Housing	71.6694 / 45.1829	480.0196	2.3542	0.0591	556.4718
Total		1,265.0954	4.9050	0.1250	1,424.9809

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	43.3665 / 32.09	307.2709	1.4252	0.0359	353.5916
Hotel	8.11737 / 1.05864	39.9998	0.2661	6.5700e-003	48.6075
Recreational Swimming Pool	0 / 76.0468	269.1968	0.0111	2.3000e-003	270.1599
Regional Shopping Center	10.3702 / 7.46024	72.7217	0.3408	8.5700e-003	83.7956
Single Family Housing	57.3355 / 42.4267	406.2476	1.8843	0.0474	467.4889
Total		1,095.4369	3.9275	0.1007	1,223.6435

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,168.7818	128.1713	0.0000	5,373.0652
Unmitigated	2,168.7818	128.1713	0.0000	5,373.0652

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	382.72	77.6887	4.5913	0.0000	192.4705
Hotel	219	44.4550	2.6272	0.0000	110.1354
Recreational Swimming Pool	8441.93	1,713.6355	101.2730	0.0000	4,245.4594
Regional Shopping Center	183.75	37.2996	2.2043	0.0000	92.4082
Single Family Housing	1456.73	295.7030	17.4756	0.0000	732.5917
Total		2,168.7818	128.1713	0.0000	5,373.0652

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	382.72	77.6887	4.5913	0.0000	192.4705
Hotel	219	44.4550	2.6272	0.0000	110.1354
Recreational Swimming Pool	8441.93	1,713.6355	101.2730	0.0000	4,245.4594
Regional Shopping Center	183.75	37.2996	2.2043	0.0000	92.4082
Single Family Housing	1456.73	295.7030	17.4756	0.0000	732.5917
Total		2,168.7818	128.1713	0.0000	5,373.0652

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Section 31 Specific Plan Project (Concurrent Construction) - Salton Sea Air Basin, Summer

Section 31 Specific Plan Project (Concurrent Construction)
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	400.00	Room	13.33	580,800.00	0
Recreational Swimming Pool	1,481.04	1000sqft	34.00	1,481,040.00	0
Apartments Mid Rise	832.00	Dwelling Unit	21.89	832,000.00	2687
Single Family Housing	1,100.00	Dwelling Unit	357.14	1,980,000.00	3553
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15	Operational Year		2031	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Recreational Swimming Pool includes 34-acre lagoon

Construction Phase - Construction to commence in 2020 with expected buildout in 2030. Coating and Paving to take place intermittently throughout

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on TIA dated 2/27/19. Weekday trip rates adjusted accordingly.

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater - Based on the WSA, the lagoon will utilize 248.54 acre-feet/year or approximately 80,986,993.4 gallons/year.

Construction Off-road Equipment Mitigation - SCAQMD staff recommends construction equipment to meet at the minimum Tier 3 requirements and equipped with Level 3 DPF

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	550.00	741.00
tblConstructionPhase	NumDays	7,750.00	2,869.00
tblConstructionPhase	NumDays	550.00	239.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	13.60	0.00

tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44
tblWater	IndoorWaterUseRate	87,593,362.04	0.00
tblWater	OutdoorWaterUseRate	53,686,254.16	80,986,993.40

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	15.5000	81.9076	119.2508	0.3276	18.9166	1.4788	20.3954	5.0833	1.3927	6.4760	0.0000	33,139.2278	33,139.2278	2.5163	0.0000	33,202.1348
2021	14.2484	74.9541	111.0063	0.3212	18.9165	1.1481	20.0646	5.0833	1.0789	6.1622	0.0000	32,505.6926	32,505.6926	2.3695	0.0000	32,564.9306
2022	13.2069	69.8959	103.2779	0.3142	18.9165	0.9805	19.8969	5.0833	0.9217	6.0050	0.0000	31,806.2562	31,806.2562	2.2256	0.0000	31,861.8964
2023	12.1192	57.6686	96.0429	0.3052	18.9164	0.8228	19.7392	5.0833	0.7727	5.8560	0.0000	30,907.6665	30,907.6665	1.8797	0.0000	30,954.6591
2024	11.4423	56.1816	91.7102	0.3006	18.9163	0.7362	19.6526	5.0832	0.6911	5.7743	0.0000	30,453.6286	30,453.6286	1.8191	0.0000	30,499.1072
2025	10.7943	54.4784	87.0166	0.2938	18.9163	0.6482	19.5645	5.0832	0.6083	5.6915	0.0000	29,775.6881	29,775.6881	1.7543	0.0000	29,819.5454
2026	10.3168	53.8503	83.2767	0.2879	18.9162	0.6448	19.5610	5.0832	0.6051	5.6883	0.0000	29,184.6656	29,184.6656	1.7024	0.0000	29,227.2267
2027	9.8771	53.2805	80.0958	0.2827	18.9162	0.6396	19.5557	5.0832	0.6003	5.6835	0.0000	28,673.0752	28,673.0752	1.6566	0.0000	28,714.4903

2028	72.7395	54.7648	90.0815	0.3065	22.1206	0.6999	22.8205	5.9331	0.6599	6.5931	0.0000	31,020.5664	31,020.5664	1.7162	0.0000	31,063.4702
2029	72.2392	54.3356	87.2582	0.3020	22.1205	0.6927	22.8133	5.9331	0.6533	6.5864	0.0000	30,572.2722	30,572.2722	1.6771	0.0000	30,614.2006
2030	73.0769	56.2771	101.0686	0.3310	22.2460	0.6069	22.8529	5.9664	0.5992	6.5656	0.0000	33,271.1909	33,271.1909	1.2819	0.0000	33,303.2381
Maximum	73.0769	81.9076	119.2508	0.3310	22.2460	1.4788	22.8529	5.9664	1.3927	6.5931	0.0000	33,271.1909	33,271.1909	2.5163	0.0000	33,303.2381

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	14.0540	76.9476	120.2761	0.3276	18.9166	0.4972	19.4139	5.0833	0.4779	5.5612	0.0000	33,139.2278	33,139.2278	2.5163	0.0000	33,202.1348
2021	13.0213	71.7481	112.3049	0.3212	18.9165	0.3250	19.2415	5.0833	0.3132	5.3965	0.0000	32,505.6926	32,505.6926	2.3695	0.0000	32,564.9306
2022	12.1746	68.5063	104.7883	0.3142	18.9165	0.3070	19.2235	5.0833	0.2961	5.3794	0.0000	31,806.2562	31,806.2562	2.2256	0.0000	31,861.8964
2023	11.2203	57.5097	97.6727	0.3052	18.9164	0.2586	19.1750	5.0833	0.2498	5.3331	0.0000	30,907.6665	30,907.6665	1.8797	0.0000	30,954.6591
2024	10.6447	56.9639	93.4171	0.3006	18.9163	0.2585	19.1748	5.0832	0.2497	5.3329	0.0000	30,453.6286	30,453.6286	1.8191	0.0000	30,499.1072
2025	10.1008	56.2348	88.8058	0.2938	18.9163	0.2562	19.1724	5.0832	0.2476	5.3308	0.0000	29,775.6881	29,775.6881	1.7543	0.0000	29,819.5454
2026	9.6233	55.6067	85.0658	0.2879	18.9162	0.2528	19.1690	5.0832	0.2444	5.3276	0.0000	29,184.6656	29,184.6656	1.7024	0.0000	29,227.2267
2027	9.1836	55.0369	81.8849	0.2827	18.9162	0.2475	19.1637	5.0832	0.2396	5.3227	0.0000	28,673.0752	28,673.0752	1.6566	0.0000	28,714.4903
2028	71.9345	56.7327	91.8938	0.3065	22.1206	0.2707	22.3912	5.9331	0.2620	6.1951	0.0000	31,020.5664	31,020.5664	1.7162	0.0000	31,063.4702
2029	71.4343	56.3035	89.0706	0.3020	22.1205	0.2635	22.3840	5.9331	0.2554	6.1884	0.0000	30,572.2722	30,572.2722	1.6771	0.0000	30,614.2006
2030	71.5467	67.2443	104.2662	0.3310	22.2460	0.3490	22.5950	5.9664	0.3414	6.3077	0.0000	33,271.1909	33,271.1909	1.2819	0.0000	33,303.2381
Maximum	71.9345	76.9476	120.2761	0.3310	22.2460	0.4972	22.5950	5.9664	0.4779	6.3077	0.0000	33,271.1909	33,271.1909	2.5163	0.0000	33,303.2381

	ROG	NOx	CO	SO2	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	3.37	-1.68	-1.84	0.00	0.00	63.89	2.56	0.00	62.99	8.06	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	95.5639	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.42 24	21,214.422 4	0.6757	0.3837	21,345.64 60
Energy	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.61 65	26,174.616 5	0.5017	0.4799	26,330.15 91
Mobile	44.3810	328.8232	403.6512	1.6755	106.4361	0.6204	107.0565	28.5461	0.5794	29.1255		172,392.5 763	172,392.57 63	8.9734		172,616.9 123
Total	142.3443	368.1220	582.6969	1.9194	106.4361	4.4882	110.9243	28.5461	4.4472	32.9933	0.0000	219,781.6 152	219,781.61 52	10.1508	0.8635	220,292.7 174

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	89.8554	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.42 24	21,214.422 4	0.6757	0.3837	21,345.64 60
Energy	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.61 65	26,174.616 5	0.5017	0.4799	26,330.15 91
Mobile	44.3810	328.8232	403.6512	1.6755	106.4361	0.6204	107.0565	28.5461	0.5794	29.1255		172,392.5 763	172,392.57 63	8.9734		172,616.9 123
Total	136.6358	368.1220	582.6969	1.9194	106.4361	4.4882	110.9243	28.5461	4.4472	32.9933	0.0000	219,781.6 152	219,781.61 52	10.1508	0.8635	220,292.7 174

	ROG	NOx	CO	SO2	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	4.01	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	Building Construction	Building Construction	1/2/2020	12/31/2030	5	2869	
2	Architectural Coating	Architectural Coating	2/29/2028	12/31/2030	5	741	
3	Paving	Paving	1/31/2030	12/31/2030	5	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 5,694,300; Residential Outdoor: 1,898,100; Non-Residential Indoor: 1,133,700; Non-Residential Outdoor: 377,900;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	1,917.00	573.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	383.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.7859	55.5837	12.7187	0.1346	2.8777	0.2604	3.1380	0.8291	0.2491	1.0781	14,085.68	14,085.68	1.1475		14,114.36	
Worker	11.5942	7.1379	89.6836	0.1662	16.0390	0.1014	16.1403	4.2542	0.0933	4.3476	16,500.48	16,500.48	0.7460		16,519.13	
Total	13.3801	62.7216	102.4023	0.3007	18.9166	0.3617	19.2783	5.0833	0.3424	5.4257	30,586.16	30,586.16	1.8934		30,633.50	
											47	7			04	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229		2,568.634
												1				5
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229		2,568.634
												1				5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7859	55.5837	12.7187	0.1346	2.8777	0.2604	3.1380	0.8291	0.2491	1.0781	14,085.68	14,085.68	1.1475		14,114.36	
											25	5			88	

Worker	11.5942	7.1379	89.6836	0.1662	16.0390	0.1014	16.1403	4.2542	0.0933	4.3476		16,500.48	16,500.482	0.7460		16,519.13
												22	2			15
Total	13.3801	62.7216	102.4023	0.3007	18.9166	0.3617	19.2783	5.0833	0.3424	5.4257		30,586.16	30,586.164	1.8934		30,633.50
												47	7			04

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
												9				3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
												9				3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5727	51.0394	11.3933	0.1338	2.8776	0.0906	2.9682	0.8291	0.0866	0.9157		14,006.9807	14,006.9807	1.0711		14,033.7591
Worker	10.7747	6.4826	83.0378	0.1605	16.0390	0.0988	16.1378	4.2542	0.0910	4.3453		15,945.3480	15,945.3480	0.6824		15,962.4072
												80	0			72
Total	12.3474	57.5220	94.4311	0.2943	18.9165	0.1894	19.1060	5.0833	0.1777	5.2610		29,952.3287	29,952.3287	1.7535		29,996.1663
												87	7			63

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5727	51.0394	11.3933	0.1338	2.8776	0.0906	2.9682	0.8291	0.0866	0.9157		14,006.9807	14,006.9807	1.0711		14,033.7591
Worker	10.7747	6.4826	83.0378	0.1605	16.0390	0.0988	16.1378	4.2542	0.0910	4.3453		15,945.3480	15,945.3480	0.6824		15,962.4072
Total	12.3474	57.5220	94.4311	0.2943	18.9165	0.1894	19.1060	5.0833	0.1777	5.2610		29,952.3287	29,952.3287	1.7535		29,996.1663

3.2 Building Construction - 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4598	48.3724	10.4793	0.1326	2.8775	0.0759	2.9534	0.8290	0.0725	0.9016		13,891.1329	13,891.1329	0.9939		13,915.9808
Worker	10.0409	5.9078	76.4352	0.1546	16.0390	0.0956	16.1346	4.2542	0.0880	4.3423		15,360.7898	15,360.7898	0.6198		15,376.2835
Total	11.5007	54.2802	86.9145	0.2872	18.9165	0.1715	19.0879	5.0833	0.1606	5.2438		29,251.9227	29,251.9227	1.6137		29,292.2642

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.4598	48.3724	10.4793	0.1326	2.8775	0.0759	2.9534	0.8290	0.0725	0.9016		13,891.1329	13,891.1329	0.9939			13,915.9808
Worker	10.0409	5.9078	76.4352	0.1546	16.0390	0.0956	16.1346	4.2542	0.0880	4.3423		15,360.7898	15,360.7898	0.6198			15,376.2835
Total	11.5007	54.2802	86.9145	0.2872	18.9165	0.1715	19.0879	5.0833	0.1606	5.2438		29,251.9227	29,251.9227	1.6137			29,292.2642

3.2 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079			2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079			2,570.4061

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.1546	37.8765	9.2228	0.1296	2.8774	0.0302	2.9076	0.8290	0.0288	0.8578	13,575.94	13,575.941	0.7075		13,593.62	
Worker	9.3919	5.4072	70.5761	0.1487	16.0390	0.0929	16.1318	4.2542	0.0855	4.3397	14,776.51	14,776.514	0.5644		14,790.62	
Total	10.5464	43.2837	79.7989	0.2783	18.9164	0.1230	19.0394	5.0833	0.1143	5.1975	28,352.45	28,352.456	1.2719		28,384.25	
											66	6			30	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.209	2,555.2099	0.6079		2,570.406
												9				1
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.209	2,555.2099	0.6079		2,570.406
												9				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1546	37.8765	9.2228	0.1296	2.8774	0.0302	2.9076	0.8290	0.0288	0.8578	13,575.94	13,575.941	0.7075			13,593.62
											19	9				83

Worker	9.3919	5.4072	70.5761	0.1487	16.0390	0.0929	16.1318	4.2542	0.0855	4.3397		14,776.51	14,776.514	0.5644		14,790.62
												46	6			47
Total	10.5464	43.2837	79.7989	0.2783	18.9164	0.1230	19.0394	5.0833	0.1143	5.1975		28,352.45	28,352.456	1.2719		28,384.25
												66	6			30

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1233	37.7273	8.7877	0.1291	2.8774	0.0300	2.9073	0.8290	0.0286	0.8576		13,526.8036	13,526.8036	0.6845		13,543.9149
Worker	8.8475	5.0106	66.7557	0.1445	16.0390	0.0930	16.1319	4.2542	0.0856	4.3398		14,371.1261	14,371.1261	0.5303		14,384.3847
Total	9.9708	42.7378	75.5434	0.2737	18.9163	0.1229	19.0393	5.0832	0.1142	5.1974		27,897.9297	27,897.9297	1.2148		27,928.2995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1233	37.7273	8.7877	0.1291	2.8774	0.0300	2.9073	0.8290	0.0286	0.8576		13,526.8036	13,526.8036	0.6845		13,543.9149
Worker	8.8475	5.0106	66.7557	0.1445	16.0390	0.0930	16.1319	4.2542	0.0856	4.3398		14,371.1261	14,371.1261	0.5303		14,384.3847
Total	9.9708	42.7378	75.5434	0.2737	18.9163	0.1229	19.0393	5.0832	0.1142	5.1974		27,897.9297	27,897.9297	1.2148		27,928.2995

3.2 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0847	37.3431	8.3483	0.1281	2.8773	0.0295	2.9068	0.8290	0.0282	0.8572		13,424.1052	13,424.1052	0.6598		13,440.6008
Worker	8.3422	4.6656	62.5836	0.1387	16.0390	0.0911	16.1301	4.2542	0.0838	4.3381		13,795.1086	13,795.1086	0.4935		13,807.4465
Total	9.4269	42.0087	70.9320	0.2668	18.9163	0.1206	19.0369	5.0832	0.1120	5.1952		27,219.2137	27,219.2137	1.1533		27,248.0473

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0847	37.3431	8.3483	0.1281	2.8773	0.0295	2.9068	0.8290	0.0282	0.8572		13,424.10 52	13,424.105 2	0.6598		13,440.60 08
Worker	8.3422	4.6656	62.5836	0.1387	16.0390	0.0911	16.1301	4.2542	0.0838	4.3381		13,795.10 86	13,795.108 6	0.4935		13,807.44 65
Total	9.4269	42.0087	70.9320	0.2668	18.9163	0.1206	19.0369	5.0832	0.1120	5.1952		27,219.21 37	27,219.213 7	1.1533		27,248.04 73

3.2 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

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
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Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0506	36.9872	7.9798	0.1272	2.8773	0.0291	2.9064	0.8290	0.0278	0.8568	13,332.86	13,332.868	0.6358	13,348.76			
Worker	7.8989	4.3935	59.2122	0.1337	16.0390	0.0881	16.1271	4.2542	0.0811	4.3353	13,295.32	13,295.322	0.4657	13,306.96			
Total	8.9494	41.3806	67.1920	0.2609	18.9162	0.1172	19.0334	5.0832	0.1089	5.1921	26,628.19	26,628.191	1.1015	26,655.72			86

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0506	36.9872	7.9798	0.1272	2.8773	0.0291	2.9064	0.8290	0.0278	0.8568	13,332.86	13,332.868	0.6358	13,348.76		
											84	4				32

Worker	7.8989	4.3935	59.2122	0.1337	16.0390	0.0881	16.1271	4.2542	0.0811	4.3353		13,295.32	13,295.322	0.4657		13,306.96
												28	8			54
Total	8.9494	41.3806	67.1920	0.2609	18.9162	0.1172	19.0334	5.0832	0.1089	5.1921		26,628.19	26,628.191	1.1015		26,655.72
												12	2			86

3.2 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0217	36.6509	7.6672	0.1265	2.8772	0.0287	2.9059	0.8289	0.0274	0.8563		13,256.93	13,256.936	0.6126		13,272.25
												69	9			06
Worker	7.4879	4.1599	56.3439	0.1293	16.0390	0.0833	16.1223	4.2542	0.0766	4.3309		12,859.66	12,859.664	0.4431		12,870.74
												40	0			17
Total	8.5097	40.8108	64.0111	0.2558	18.9162	0.1120	19.0282	5.0832	0.1041	5.1872		26,116.60	26,116.600	1.0557		26,142.99
												09	9			22

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0217	36.6509	7.6672	0.1265	2.8772	0.0287	2.9059	0.8289	0.0274	0.8563		13,256.9369	13,256.9369	0.6126		13,272.2506
Worker	7.4879	4.1599	56.3439	0.1293	16.0390	0.0833	16.1223	4.2542	0.0766	4.3309		12,859.6640	12,859.6640	0.4431		12,870.7417
Total	8.5097	40.8108	64.0111	0.2558	18.9162	0.1120	19.0282	5.0832	0.1041	5.1872		26,116.6009	26,116.6009	1.0557		26,142.9922

3.2 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9989	36.3960	7.4308	0.1260	2.8771	0.0284	2.9055	0.8289	0.0271	0.8560		13,208.1412	13,208.1412	0.5887		13,222.8577
Worker	7.1084	3.9620	53.9735	0.1255	16.0390	0.0771	16.1161	4.2542	0.0709	4.3251		12,480.9225	12,480.9225	0.4261		12,491.5742
Total	8.1073	40.3580	61.4042	0.2515	18.9161	0.1055	19.0216	5.0832	0.0980	5.1812		25,689.0638	25,689.0638	1.0147		25,714.4319

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.9989	36.3960	7.4308	0.1260	2.8771	0.0284	2.9055	0.8289	0.0271	0.8560		13,208.14 12	13,208.141 2	0.5887			13,222.85 77
Worker	7.1084	3.9620	53.9735	0.1255	16.0390	0.0771	16.1161	4.2542	0.0709	4.3251		12,480.92 25	12,480.922 5	0.4261			12,491.57 42
Total	8.1073	40.3580	61.4042	0.2515	18.9161	0.1055	19.0216	5.0832	0.0980	5.1812		25,689.06 38	25,689.063 8	1.0147			25,714.43 19

3.2 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010			2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010			2,571.498 1

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.9774	36.1765	7.2073	0.1255	2.8771	0.0281	2.9052	0.8289	0.0269	0.8558	13,157.12	13,157.126	0.5676		13,171.31	
Worker	6.7094	3.7873	51.8066	0.1221	16.0390	0.0713	16.1103	4.2542	0.0656	4.3198	12,149.79	12,149.798	0.4111		12,160.07	
Total	7.6868	39.9637	59.0139	0.2476	18.9161	0.0994	19.0155	5.0831	0.0925	5.1756	25,306.92	25,306.925	0.9787		25,331.39	
											53	3			29	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9774	36.1765	7.2073	0.1255	2.8771	0.0281	2.9052	0.8289	0.0269	0.8558	13,157.12	13,157.126	0.5676			13,171.31
											69	9				74

Worker	6.7094	3.7873	51.8066	0.1221	16.0390	0.0713	16.1103	4.2542	0.0656	4.3198		12,149.79	12,149.798	0.4111		12,160.07
												84	4			55
Total	7.6868	39.9637	59.0139	0.2476	18.9161	0.0994	19.0155	5.0831	0.0925	5.1756		25,306.92	25,306.925	0.9787		25,331.39
												53	3			29

3.2 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
												8				9
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
												8				9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9595	35.9822	7.0270	0.1251	2.8771	0.0278	2.9049	0.8289	0.0266	0.8555		13,113.56	13,113.565	0.5487		13,127.28
												55	5			24
Worker	6.3094	3.6301	49.8812	0.1192	16.0390	0.0662	16.1052	4.2542	0.0609	4.3152		11,859.82	11,859.823	0.3983		11,869.78
												38	8			23
Total	7.2689	39.6123	56.9082	0.2443	18.9160	0.0941	19.0101	5.0831	0.0875	5.1706		24,973.38	24,973.389	0.9470		24,997.06
												93	3			47

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9595	35.9822	7.0270	0.1251	2.8771	0.0278	2.9049	0.8289	0.0266	0.8555		13,113.5655	13,113.5655	0.5487		13,127.2824
Worker	6.3094	3.6301	49.8812	0.1192	16.0390	0.0662	16.1052	4.2542	0.0609	4.3152		11,859.8238	11,859.8238	0.3983		11,869.7823
Total	7.2689	39.6123	56.9082	0.2443	18.9160	0.0941	19.0101	5.0831	0.0875	5.1706		24,973.3893	24,973.3893	0.9470		24,997.0647

3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

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

Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	61.8445	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4202	0.7916	10.7834	0.0251	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,493.5802	2,493.5802	0.0851		2,495.7084
Total	1.4202	0.7916	10.7834	0.0251	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,493.5802	2,493.5802	0.0851		2,495.7084

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	61.7331	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4202	0.7916	10.7834	0.0251	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,493.5802	2,493.5802	0.0851		2,495.7084
Total	1.4202	0.7916	10.7834	0.0251	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,493.5802	2,493.5802	0.0851		2,495.7084

3.3 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	61.8445	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3405	0.7567	10.3505	0.0244	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631	2,427.4245	2,427.4245	0.0821	2,429.4778		
Total	1.3405	0.7567	10.3505	0.0244	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631	2,427.4245	2,427.4245	0.0821	2,429.4778		

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	61.7331	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

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

Worker	1.3405	0.7567	10.3505	0.0244	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631		2,427.4245	2,427.4245	0.0821		2,429.4778
Total	1.3405	0.7567	10.3505	0.0244	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631		2,427.4245	2,427.4245	0.0821		2,429.4778

3.3 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	61.8044	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2606	0.7253	9.9658	0.0238	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		2,369.4901	2,369.4901	0.0796		2,371.4797
Total	1.2606	0.7253	9.9658	0.0238	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		2,369.4901	2,369.4901	0.0796		2,371.4797

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328
Total	61.7331	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2606	0.7253	9.9658	0.0238	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		2,369.4901	2,369.4901	0.0796		2,371.4797
Total	1.2606	0.7253	9.9658	0.0238	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		2,369.4901	2,369.4901	0.0796		2,371.4797

3.4 Paving - 2030

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778
Total	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778
Total	0.0494	0.0284	0.3903	9.3000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		92.7999	92.7999	3.1200e-003		92.8778

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	44.3810	328.8232	403.6512	1.6755	106.4361	0.6204	107.0565	28.5461	0.5794	29.1255		172,392.5763	172,392.5763	8.9734		172,616.9123
Unmitigated	44.3810	328.8232	403.6512	1.6755	106.4361	0.6204	107.0565	28.5461	0.5794	29.1255		172,392.5763	172,392.5763	8.9734		172,616.9123

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,526.08	4,351.36	3985.28	9,895,832	9,895,832
Hotel	3,344.00	3,352.00	2436.00	4,775,046	4,775,046
Recreational Swimming Pool	0.00	0.00	0.00		
Regional Shopping Center	6,606.25	7,731.50	3904.25	8,451,120	8,451,120
Single Family Housing	10,384.00	10,813.00	9405.00	23,052,430	23,052,430
Total	24,860.33	26,247.86	19,730.53	46,174,428	46,174,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Hotel	12.50	4.20	5.40	19.40	61.60	19.00	58	38	4
Recreational Swimming Pool	12.50	4.20	5.40	33.00	48.00	19.00	52	39	9
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11
Single Family Housing	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Hotel	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Recreational Swimming Pool	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Regional Shopping Center	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Single Family Housing	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610

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	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591
NaturalGas Unmitigated	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591

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					
Apartments Mid Rise	33722.4	0.3637	3.1078	1.3225	0.0198		0.2513	0.2513		0.2513	0.2513		3,967.3407	3,967.3407	0.0760	0.0727	3,990.9166
Hotel	95489.9	1.0298	9.3618	7.8639	0.0562		0.7115	0.7115		0.7115	0.7115		11,234.1041	11,234.1041	0.2153	0.2060	11,300.8628
Recreational Swimming Pool	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
Regional Shopping Center	1064.38	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003		125.2216	125.2216	2.4000e-003	2.3000e-003	125.9657
Single Family Housing	92207.6	0.9944	8.4976	3.6160	0.0542		0.6870	0.6870		0.6870	0.6870		10,847.9500	10,847.9500	0.2079	0.1989	10,912.4140
Total		2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	33.7224	0.3637	3.1078	1.3225	0.0198		0.2513	0.2513		0.2513	0.2513		3,967.3407	3,967.3407	0.0760	0.0727	3,990.9166
Hotel	95.4899	1.0298	9.3618	7.8639	0.0562		0.7115	0.7115		0.7115	0.7115		11,234.1041	11,234.1041	0.2153	0.2060	11,300.8628
Recreational Swimming Pool	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
Regional Shopping Center	1.06438	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003		125.2216	125.2216	2.4000e-003	2.3000e-003	125.9657
Single Family Housing	92.2076	0.9944	8.4976	3.6160	0.0542		0.6870	0.6870		0.6870	0.6870		10,847.9500	10,847.9500	0.2079	0.1989	10,912.4140
Total		2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	89.8554	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460
Unmitigated	95.5639	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460

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	12.5206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	76.3509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9183	16.3928	6.9757	0.1046		1.3254	1.3254		1.3254	1.3254	0.0000	20,926.9694	20,926.9694	0.4011	0.3837	21,051.3279
Landscaping	4.7741	1.8345	159.1801	8.4300e-003		0.8847	0.8847		0.8847	0.8847		287.4530	287.4530	0.2746		294.3181
Total	95.5639	18.2273	166.1558	0.1131		2.2100	2.2100		2.2100	2.2100	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460

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	12.5206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	70.6424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9183	16.3928	6.9757	0.1046		1.3254	1.3254		1.3254	1.3254	0.0000	20,926.9694	20,926.9694	0.4011	0.3837	21,051.3279
Landscaping	4.7741	1.8345	159.1801	8.4300e-003		0.8847	0.8847		0.8847	0.8847		287.4530	287.4530	0.2746		294.3181
Total	89.8554	18.2273	166.1558	0.1131		2.2100	2.2100		2.2100	2.2100	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Section 31 Specific Plan Project (Concurrent Construction) - Salton Sea Air Basin, Winter

Section 31 Specific Plan Project (Concurrent Construction)
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	400.00	Room	13.33	580,800.00	0
Recreational Swimming Pool	1,481.04	1000sqft	34.00	1,481,040.00	0
Apartments Mid Rise	832.00	Dwelling Unit	21.89	832,000.00	2687
Single Family Housing	1,100.00	Dwelling Unit	357.14	1,980,000.00	3553
Regional Shopping Center	175.00	1000sqft	4.02	175,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	15	Operational Year		2031	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Recreational Swimming Pool includes 34-acre lagoon

Construction Phase - Construction to commence in 2020 with expected buildout in 2030. Coating and Paving to take place intermittently throughout

On-road Fugitive Dust - All paved roads in Project vicinity

Vehicle Trips - Trip rates based on TIA dated 2/27/19. Weekday trip rates adjusted accordingly.

Road Dust - All paved roads in Project vicinity

Woodstoves - No woodstoves

Water And Wastewater - Based on the WSA, the lagoon will utilize 248.54 acre-feet/year or approximately 80,986,993.4 gallons/year.

Construction Off-road Equipment Mitigation - SCAQMD staff recommends construction equipment to meet at the minimum Tier 3 requirements and equipped with Level 3 DPF

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	550.00	741.00
tblConstructionPhase	NumDays	7,750.00	2,869.00
tblConstructionPhase	NumDays	550.00	239.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	49.97	44.18
tblVehicleTrips	ST_TR	9.91	9.83
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	13.60	0.00

tblVehicleTrips	SU_TR	25.24	22.31
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44
tblWater	IndoorWaterUseRate	87,593,362.04	0.00
tblWater	OutdoorWaterUseRate	53,686,254.16	80,986,993.40

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	13.5509	81.9018	96.1857	0.2942	18.9166	1.4840	20.4006	5.0833	1.3977	6.4810	0.0000	29,794.2804	29,794.2804	2.5014	0.0000	29,856.8151
2021	12.4755	74.7252	89.5022	0.2887	18.9165	1.1524	20.0690	5.0833	1.0831	6.1664	0.0000	29,252.9088	29,252.9088	2.3615	0.0000	29,311.9468
2022	11.5991	69.5674	83.4136	0.2826	18.9165	0.9845	19.9010	5.0833	0.9256	6.0089	0.0000	28,649.3962	28,649.3962	2.2246	0.0000	28,705.0111
2023	10.6326	57.2771	77.2328	0.2748	18.9164	0.8239	19.7403	5.0833	0.7738	5.8571	0.0000	27,866.4168	27,866.4168	1.8522	0.0000	27,912.7213
2024	10.0791	55.7719	73.8054	0.2710	18.9163	0.7373	19.6536	5.0832	0.6921	5.7753	0.0000	27,485.5318	27,485.5318	1.7967	0.0000	27,530.4488
2025	9.5280	54.0406	70.2327	0.2652	18.9163	0.6492	19.5655	5.0832	0.6092	5.6925	0.0000	26,910.1486	26,910.1486	1.7372	0.0000	26,953.5773
2026	9.1418	53.3894	67.3843	0.2602	18.9162	0.6457	19.5619	5.0832	0.6060	5.6892	0.0000	26,407.6094	26,407.6094	1.6883	0.0000	26,449.8173
2027	8.7842	52.7952	64.9612	0.2558	18.9162	0.6404	19.5566	5.0832	0.6011	5.6843	0.0000	25,971.3301	25,971.3301	1.6442	0.0000	26,012.4344

2028	71.5044	54.2802	72.3769	0.2762	22.1206	0.7007	22.8213	5.9331	0.6607	6.5938	0.0000	27,984.31 12	27,984.311 2	1.6868	0.0000	28,026.48 06
2029	71.0931	53.8373	70.2321	0.2723	22.1205	0.6935	22.8140	5.9331	0.6541	6.5872	0.0000	27,602.38 29	27,602.382 9	1.6485	0.0000	27,643.59 43
2030	72.0142	55.7675	84.5230	0.3018	22.2460	0.6076	22.8536	5.9664	0.5999	6.5663	0.0000	30,343.93 78	30,343.937 8	1.2528	0.0000	30,375.25 77
Maximum	72.0142	81.9018	96.1857	0.3018	22.2460	1.4840	22.8536	5.9664	1.3977	6.5938	0.0000	30,343.93 78	30,343.937 8	2.5014	0.0000	30,375.25 77

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.1050	76.9418	97.2109	0.2942	18.9166	0.5024	19.4190	5.0833	0.4829	5.5662	0.0000	29,794.28 04	29,794.280 4	2.5014	0.0000	29,856.81 51
2021	11.2485	71.5192	90.8008	0.2887	18.9165	0.3294	19.2459	5.0833	0.3174	5.4007	0.0000	29,252.90 88	29,252.908 8	2.3615	0.0000	29,311.94 68
2022	10.5667	68.1778	84.9240	0.2826	18.9165	0.3110	19.2275	5.0833	0.3000	5.3832	0.0000	28,649.39 62	28,649.396 2	2.2246	0.0000	28,705.01 11
2023	9.7337	57.1183	78.8626	0.2748	18.9164	0.2597	19.1761	5.0833	0.2509	5.3342	0.0000	27,866.41 68	27,866.416 8	1.8522	0.0000	27,912.72 13
2024	9.2815	56.5542	75.5123	0.2710	18.9163	0.2595	19.1759	5.0832	0.2507	5.3340	0.0000	27,485.53 18	27,485.531 8	1.7967	0.0000	27,530.44 88
2025	8.8345	55.7970	72.0218	0.2652	18.9163	0.2571	19.1734	5.0832	0.2485	5.3317	0.0000	26,910.14 86	26,910.148 6	1.7372	0.0000	26,953.57 73
2026	8.4483	55.1458	69.1734	0.2602	18.9162	0.2537	19.1699	5.0832	0.2453	5.3285	0.0000	26,407.60 94	26,407.609 4	1.6883	0.0000	26,449.81 73
2027	8.0907	54.5516	66.7503	0.2558	18.9162	0.2484	19.1646	5.0832	0.2404	5.3236	0.0000	25,971.33 01	25,971.330 1	1.6442	0.0000	26,012.43 44
2028	70.6995	56.2480	74.1893	0.2762	22.1206	0.2715	22.3920	5.9331	0.2628	6.1959	0.0000	27,984.31 12	27,984.311 2	1.6868	0.0000	28,026.48 06
2029	70.2882	55.8051	72.0445	0.2723	22.1205	0.2642	22.3848	5.9331	0.2561	6.1892	0.0000	27,602.38 29	27,602.382 9	1.6485	0.0000	27,643.59 43
2030	70.4841	66.7346	87.7207	0.3018	22.2460	0.3497	22.5957	5.9664	0.3421	6.3084	0.0000	30,343.93 78	30,343.937 8	1.2528	0.0000	30,375.25 77
Maximum	70.6995	76.9418	97.2109	0.3018	22.2460	0.5024	22.5957	5.9664	0.4829	6.3084	0.0000	30,343.93 78	30,343.937 8	2.5014	0.0000	30,375.25 77

	ROG	NOx	CO	SO2	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	3.54	-1.69	-2.28	0.00	0.00	63.74	2.56	0.00	62.84	8.06	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	95.5639	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460
Energy	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591
Mobile	32.4175	322.8703	335.5925	1.5081	106.4361	0.6271	107.0632	28.5461	0.5858	29.1319		155,455.3406	155,455.3406	9.1963		155,685.2484
Total	130.3807	362.1691	514.6382	1.7520	106.4361	4.4949	110.9310	28.5461	4.4536	32.9997	0.0000	202,844.3794	202,844.3794	10.3737	0.8635	203,361.0535

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	89.8554	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460
Energy	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591
Mobile	32.4175	322.8703	335.5925	1.5081	106.4361	0.6271	107.0632	28.5461	0.5858	29.1319		155,455.3406	155,455.3406	9.1963		155,685.2484
Total	124.6723	362.1691	514.6382	1.7520	106.4361	4.4949	110.9310	28.5461	4.4536	32.9997	0.0000	202,844.3794	202,844.3794	10.3737	0.8635	203,361.0535

	ROG	NOx	CO	SO2	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	4.38	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	Building Construction	Building Construction	1/2/2020	12/31/2030	5	2869	
2	Architectural Coating	Architectural Coating	2/29/2028	12/31/2030	5	741	
3	Paving	Paving	1/31/2030	12/31/2030	5	239	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 5,694,300; Residential Outdoor: 1,898,100; Non-Residential Indoor: 1,133,700; Non-Residential Outdoor: 377,900;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	1,917.00	573.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	383.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.8793	55.3581	15.1180	0.1278	2.8777	0.2656	3.1432	0.8291	0.2540	1.0831	13,376.78	13,376.782	1.2888		13,409.00	
Worker	9.5518	7.3577	64.2192	0.1395	16.0390	0.1014	16.1403	4.2542	0.0933	4.3476	13,864.43	13,864.435	0.5898		13,879.17	
Total	11.4311	62.7157	79.3372	0.2673	18.9166	0.3669	19.2835	5.0833	0.3474	5.4307	27,241.21	27,241.217	1.8785		27,288.18	
											74	4			06	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229		2,568.634
												1				5
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.063	2,553.0631	0.6229		2,568.634
												1				5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.8793	55.3581	15.1180	0.1278	2.8777	0.2656	3.1432	0.8291	0.2540	1.0831	13,376.78	13,376.782	1.2888			13,409.00
											24	4				20

Worker	9.5518	7.3577	64.2192	0.1395	16.0390	0.1014	16.1403	4.2542	0.0933	4.3476		13,864.43	13,864.435	0.5898		13,879.17
												50	0			86
Total	11.4311	62.7157	79.3372	0.2673	18.9166	0.3669	19.2835	5.0833	0.3474	5.4307		27,241.21	27,241.217	1.8785		27,288.18
												74	4			06

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363	2,553.3639	0.6160		2,568.764
												9				3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363	2,553.3639	0.6160		2,568.764
												9				3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6626	50.6180	13.6590	0.1271	2.8776	0.0950	2.9726	0.8291	0.0908	0.9199		13,301.46	13,301.462	1.2053		13,331.59
												24	4			43
Worker	8.9120	6.6751	59.2680	0.1347	16.0390	0.0988	16.1378	4.2542	0.0910	4.3453		13,398.08	13,398.082	0.5402		13,411.58
												24	4			83
Total	10.5746	57.2931	72.9270	0.2618	18.9165	0.1938	19.1104	5.0833	0.1819	5.2652		26,699.54	26,699.544	1.7455		26,743.18
												49	9			25

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6626	50.6180	13.6590	0.1271	2.8776	0.0950	2.9726	0.8291	0.0908	0.9199		13,301.4624	13,301.4624	1.2053		13,331.5943
Worker	8.9120	6.6751	59.2680	0.1347	16.0390	0.0988	16.1378	4.2542	0.0910	4.3453		13,398.0824	13,398.0824	0.5402		13,411.5883
Total	10.5746	57.2931	72.9270	0.2618	18.9165	0.1938	19.1104	5.0833	0.1819	5.2652		26,699.5449	26,699.5449	1.7455		26,743.1825

3.2 Building Construction - 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5464	47.8755	12.6291	0.1259	2.8775	0.0799	2.9574	0.8290	0.0764	0.9054		13,186.8492	13,186.8492	1.1205		13,214.8609
Worker	8.3465	6.0763	54.4211	0.1297	16.0390	0.0956	16.1346	4.2542	0.0880	4.3423		12,908.2134	12,908.2134	0.4922		12,920.5180
Total	9.8928	53.9518	67.0502	0.2557	18.9165	0.1755	19.0920	5.0833	0.1644	5.2477		26,095.0626	26,095.0626	1.6127		26,135.3789

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.5464	47.8755	12.6291	0.1259	2.8775	0.0799	2.9574	0.8290	0.0764	0.9054		13,186.8492	13,186.8492	1.1205			13,214.8609
Worker	8.3465	6.0763	54.4211	0.1297	16.0390	0.0956	16.1346	4.2542	0.0880	4.3423		12,908.2134	12,908.2134	0.4922			12,920.5180
Total	9.8928	53.9518	67.0502	0.2557	18.9165	0.1755	19.0920	5.0833	0.1644	5.2477		26,095.0626	26,095.0626	1.6127			26,135.3789

3.2 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079			2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079			2,570.4061

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.2158	37.3370	10.8468	0.1231	2.8774	0.0313	2.9087	0.8290	0.0299	0.8589	12,892.59	12,892.599	0.7945		12,912.46	
Worker	7.8441	5.5552	50.1420	0.1248	16.0390	0.0929	16.1318	4.2542	0.0855	4.3397	12,418.60	12,418.607	0.4498		12,429.85	
Total	9.0598	42.8922	60.9888	0.2479	18.9164	0.1242	19.0406	5.0833	0.1154	5.1986	25,311.20	25,311.206	1.2443		25,342.31	
											68	8			52	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.209	2,555.2099	0.6079		2,570.406
												9				1
Total	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.209	2,555.2099	0.6079		2,570.406
												9				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2158	37.3370	10.8468	0.1231	2.8774	0.0313	2.9087	0.8290	0.0299	0.8589	12,892.59	12,892.599	0.7945		12,912.46	
											97	7			33	

Worker	7.8441	5.5552	50.1420	0.1248	16.0390	0.0929	16.1318	4.2542	0.0855	4.3397		12,418.60	12,418.607	0.4498		12,429.85
												71	1			19
Total	9.0598	42.8922	60.9888	0.2479	18.9164	0.1242	19.0406	5.0833	0.1154	5.1986		25,311.20	25,311.206	1.2443		25,342.31
												68	8			52

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1843	37.1858	10.3714	0.1227	2.8774	0.0310	2.9084	0.8290	0.0297	0.8586		12,852.1299	12,852.1299	0.7690		12,871.3551
Worker	7.4233	5.1424	47.2672	0.1213	16.0390	0.0930	16.1319	4.2542	0.0856	4.3398		12,077.7030	12,077.7030	0.4233		12,088.2860
Total	8.6076	42.3281	57.6386	0.2440	18.9163	0.1240	19.0403	5.0832	0.1152	5.1984		24,929.8329	24,929.8329	1.1923		24,959.6411

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1843	37.1858	10.3714	0.1227	2.8774	0.0310	2.9084	0.8290	0.0297	0.8586		12,852.1299	12,852.1299	0.7690		12,871.3551
Worker	7.4233	5.1424	47.2672	0.1213	16.0390	0.0930	16.1319	4.2542	0.0856	4.3398		12,077.7030	12,077.7030	0.4233		12,088.2860
Total	8.6076	42.3281	57.6386	0.2440	18.9163	0.1240	19.0403	5.0832	0.1152	5.1984		24,929.8329	24,929.8329	1.1923		24,959.6411

3.2 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1456	36.7855	9.8962	0.1218	2.8773	0.0305	2.9078	0.8290	0.0292	0.8581		12,758.6253	12,758.6253	0.7416		12,777.1653
Worker	7.0150	4.7855	44.2518	0.1165	16.0390	0.0911	16.1301	4.2542	0.0838	4.3381		11,595.0489	11,595.0489	0.3946		11,604.9140
Total	8.1606	41.5710	54.1480	0.2383	18.9163	0.1216	19.0379	5.0832	0.1130	5.1962		24,353.6742	24,353.6742	1.1362		24,382.0792

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1456	36.7855	9.8962	0.1218	2.8773	0.0305	2.9078	0.8290	0.0292	0.8581		12,758.6253	12,758.6253	0.7416		12,777.1653
Worker	7.0150	4.7855	44.2518	0.1165	16.0390	0.0911	16.1301	4.2542	0.0838	4.3381		11,595.0489	11,595.0489	0.3946		11,604.9140
Total	8.1606	41.5710	54.1480	0.2383	18.9163	0.1216	19.0379	5.0832	0.1130	5.1962		24,353.6742	24,353.6742	1.1362		24,382.0792

3.2 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.1113	36.4148	9.4974	0.1210	2.8773	0.0300	2.9073	0.8290	0.0287	0.8576	12,675.53	12,675.538	0.7147		12,693.40	
Worker	6.6631	4.5049	41.8023	0.1122	16.0390	0.0881	16.1271	4.2542	0.0811	4.3353	11,175.59	11,175.596	0.3726		11,184.91	
Total	7.7744	40.9198	51.2997	0.2332	18.9162	0.1181	19.0344	5.0832	0.1098	5.1930	23,851.13	23,851.135	1.0874		23,878.31	
											51	1			93	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1113	36.4148	9.4974	0.1210	2.8773	0.0300	2.9073	0.8290	0.0287	0.8576	12,675.53	12,675.538	0.7147			12,693.40
											81	1				66

Worker	6.6631	4.5049	41.8023	0.1122	16.0390	0.0881	16.1271	4.2542	0.0811	4.3353		11,175.59	11,175.596	0.3726		11,184.91
												69	9			27
Total	7.7744	40.9198	51.2997	0.2332	18.9162	0.1181	19.0344	5.0832	0.1098	5.1930		23,851.13	23,851.135	1.0874		23,878.31
												51	1			93

3.2 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0826	36.0613	9.1608	0.1203	2.8772	0.0296	2.9068	0.8289	0.0282	0.8572		12,605.72	12,605.729	0.6887		12,622.94
												96	6			57
Worker	6.3342	4.2643	39.7157	0.1085	16.0390	0.0833	16.1223	4.2542	0.0766	4.3309		10,809.12	10,809.126	0.3546		10,817.99
												61	1			06
Total	7.4168	40.3256	48.8765	0.2289	18.9162	0.1129	19.0290	5.0832	0.1049	5.1881		23,414.85	23,414.855	1.0432		23,440.93
												57	7			64

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0826	36.0613	9.1608	0.1203	2.8772	0.0296	2.9068	0.8289	0.0282	0.8572		12,605.7296	12,605.7296	0.6887		12,622.9457
Worker	6.3342	4.2643	39.7157	0.1085	16.0390	0.0833	16.1223	4.2542	0.0766	4.3309		10,809.1261	10,809.1261	0.3546		10,817.9906
Total	7.4168	40.3256	48.8765	0.2289	18.9162	0.1129	19.0290	5.0832	0.1049	5.1881		23,414.8557	23,414.8557	1.0432		23,440.9364

3.2 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0599	35.7933	8.9087	0.1199	2.8771	0.0292	2.9063	0.8289	0.0279	0.8568		12,560.6083	12,560.6083	0.6617		12,577.1518
Worker	6.0282	4.0605	37.9853	0.1053	16.0390	0.0771	16.1161	4.2542	0.0709	4.3251		10,489.9744	10,489.9744	0.3407		10,498.4913
Total	7.0882	39.8538	46.8939	0.2252	18.9161	0.1063	19.0224	5.0832	0.0988	5.1819		23,050.5827	23,050.5827	1.0024		23,075.6430

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0599	35.7933	8.9087	0.1199	2.8771	0.0292	2.9063	0.8289	0.0279	0.8568		12,560.6083	12,560.6083	0.6617		12,577.1518
Worker	6.0282	4.0605	37.9853	0.1053	16.0390	0.0771	16.1161	4.2542	0.0709	4.3251		10,489.9744	10,489.9744	0.3407		10,498.4913
Total	7.0882	39.8538	46.8939	0.2252	18.9161	0.1063	19.0224	5.0832	0.0988	5.1819		23,050.5827	23,050.5827	1.0024		23,075.6430

3.2 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.0385	35.5667	8.6669	0.1194	2.8771	0.0289	2.9060	0.8289	0.0276	0.8565	12,514.18	12,514.183	0.6380		12,530.13	
Worker	5.7032	3.8801	36.3992	0.1025	16.0390	0.0713	16.1103	4.2542	0.0656	4.3198	10,210.33	10,210.339	0.3285		10,218.55	
Total	6.7417	39.4469	45.0661	0.2219	18.9161	0.1002	19.0163	5.0831	0.0932	5.1763	22,724.52	22,724.523	0.9665		22,748.68	
											30	0			61	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1
Total	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0385	35.5667	8.6669	0.1194	2.8771	0.0289	2.9060	0.8289	0.0276	0.8565	12,514.18	12,514.183	0.6380			12,530.13
											35	5				36

Worker	5.7032	3.8801	36.3992	0.1025	16.0390	0.0713	16.1103	4.2542	0.0656	4.3198		10,210.33	10,210.339	0.3285		10,218.55
												95	5			25
Total	6.7417	39.4469	45.0661	0.2219	18.9161	0.1002	19.0163	5.0831	0.0932	5.1763		22,724.52	22,724.523	0.9665		22,748.68
												30	0			61

3.2 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
												8				9
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
												8				9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0207	35.3666	8.4713	0.1190	2.8771	0.0286	2.9056	0.8289	0.0273	0.8562		12,474.45	12,474.454	0.6166		12,489.86
												42	2			88
Worker	5.3788	3.7179	34.9842	0.1000	16.0390	0.0662	16.1052	4.2542	0.0609	4.3152		9,965.064	9,965.0646	0.3180		9,973.015
												6				0
Total	6.3995	39.0845	43.4555	0.2191	18.9160	0.0948	19.0108	5.0831	0.0882	5.1713		22,439.51	22,439.518	0.9346		22,462.88
												87	7			38

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.1355	0.1355		0.1355	0.1355	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0207	35.3666	8.4713	0.1190	2.8771	0.0286	2.9056	0.8289	0.0273	0.8562		12,474.4542	12,474.4542	0.6166		12,489.8688
Worker	5.3788	3.7179	34.9842	0.1000	16.0390	0.0662	16.1052	4.2542	0.0609	4.3152		9,965.0646	9,965.0646	0.3180		9,973.0150
Total	6.3995	39.0845	43.4555	0.2191	18.9160	0.0948	19.0108	5.0831	0.0882	5.1713		22,439.5187	22,439.5187	0.9346		22,462.8838

3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

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

Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	61.8445	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2044	0.8112	7.5891	0.0210	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,095.8061	2,095.8061	0.0681		2,097.5077
Total	1.2044	0.8112	7.5891	0.0210	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,095.8061	2,095.8061	0.0681		2,097.5077

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	61.7331	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	1.2044	0.8112	7.5891	0.0210	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,095.8061	2,095.8061	0.0681			2,097.5077
Total	1.2044	0.8112	7.5891	0.0210	3.2045	0.0154	3.2199	0.8500	0.0142	0.8641		2,095.8061	2,095.8061	0.0681			2,097.5077

3.3 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154			281.8319
Total	61.8445	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154			281.8319

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1395	0.7752	7.2722	0.0205	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631	2,039.9374	2,039.9374	0.0656	2,041.5783		
Total	1.1395	0.7752	7.2722	0.0205	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631	2,039.9374	2,039.9374	0.0656	2,041.5783		

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319
Total	61.7331	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

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

Worker	1.1395	0.7752	7.2722	0.0205	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631		2,039.9374	2,039.9374	0.0656		2,041.5783
Total	1.1395	0.7752	7.2722	0.0205	3.2045	0.0143	3.2187	0.8500	0.0131	0.8631		2,039.9374	2,039.9374	0.0656		2,041.5783

3.3 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	61.8044	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0746	0.7428	6.9896	0.0200	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		1,990.9336	1,990.9336	0.0635		1,992.5220
Total	1.0746	0.7428	6.9896	0.0200	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		1,990.9336	1,990.9336	0.0635		1,992.5220

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328
Total	61.7331	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0746	0.7428	6.9896	0.0200	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		1,990.9336	1,990.9336	0.0635		1,992.5220
Total	1.0746	0.7428	6.9896	0.0200	3.2045	0.0132	3.2177	0.8500	0.0122	0.8621		1,990.9336	1,990.9336	0.0635		1,992.5220

3.4 Paving - 2030

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361
Total	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0281		0.0914	0.0914		0.0914	0.0914	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361
Total	0.0421	0.0291	0.2737	7.8000e-004	0.1255	5.2000e-004	0.1260	0.0333	4.8000e-004	0.0338		77.9739	77.9739	2.4900e-003		78.0361

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.4175	322.8703	335.5925	1.5081	106.4361	0.6271	107.0632	28.5461	0.5858	29.1319		155,455.3406	155,455.3406	9.1963		155,685.2484
Unmitigated	32.4175	322.8703	335.5925	1.5081	106.4361	0.6271	107.0632	28.5461	0.5858	29.1319		155,455.3406	155,455.3406	9.1963		155,685.2484

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,526.08	4,351.36	3985.28	9,895,832	9,895,832
Hotel	3,344.00	3,352.00	2436.00	4,775,046	4,775,046
Recreational Swimming Pool	0.00	0.00	0.00		
Regional Shopping Center	6,606.25	7,731.50	3904.25	8,451,120	8,451,120
Single Family Housing	10,384.00	10,813.00	9405.00	23,052,430	23,052,430
Total	24,860.33	26,247.86	19,730.53	46,174,428	46,174,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Hotel	12.50	4.20	5.40	19.40	61.60	19.00	58	38	4
Recreational Swimming Pool	12.50	4.20	5.40	33.00	48.00	19.00	52	39	9
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11
Single Family Housing	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Hotel	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Recreational Swimming Pool	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Regional Shopping Center	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610
Single Family Housing	0.505294	0.034162	0.191621	0.108557	0.010877	0.004611	0.022630	0.109465	0.003265	0.001793	0.006362	0.000754	0.000610

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	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591
NaturalGas Unmitigated	2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591

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					
Apartments Mid Rise	33722.4	0.3637	3.1078	1.3225	0.0198		0.2513	0.2513		0.2513	0.2513		3,967.3407	3,967.3407	0.0760	0.0727	3,990.9166
Hotel	95489.9	1.0298	9.3618	7.8639	0.0562		0.7115	0.7115		0.7115	0.7115		11,234.1041	11,234.1041	0.2153	0.2060	11,300.8628
Recreational Swimming Pool	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
Regional Shopping Center	1064.38	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003		125.2216	125.2216	2.4000e-003	2.3000e-003	125.9657
Single Family Housing	92207.6	0.9944	8.4976	3.6160	0.0542		0.6870	0.6870		0.6870	0.6870		10,847.9500	10,847.9500	0.2079	0.1989	10,912.4140
Total		2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	33.7224	0.3637	3.1078	1.3225	0.0198		0.2513	0.2513		0.2513	0.2513		3,967.3407	3,967.3407	0.0760	0.0727	3,990.9166
Hotel	95.4899	1.0298	9.3618	7.8639	0.0562		0.7115	0.7115		0.7115	0.7115		11,234.1041	11,234.1041	0.2153	0.2060	11,300.8628
Recreational Swimming Pool	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
Regional Shopping Center	1.06438	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003		125.2216	125.2216	2.4000e-003	2.3000e-003	125.9657
Single Family Housing	92.2076	0.9944	8.4976	3.6160	0.0542		0.6870	0.6870		0.6870	0.6870		10,847.9500	10,847.9500	0.2079	0.1989	10,912.4140
Total		2.3993	21.0714	12.8900	0.1309		1.6577	1.6577		1.6577	1.6577		26,174.6165	26,174.6165	0.5017	0.4799	26,330.1591

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	89.8554	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460
Unmitigated	95.5639	18.2273	166.1558	0.1131		2.2101	2.2101		2.2101	2.2101	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460

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	12.5206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	76.3509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9183	16.3928	6.9757	0.1046		1.3254	1.3254		1.3254	1.3254	0.0000	20,926.9694	20,926.9694	0.4011	0.3837	21,051.3279
Landscaping	4.7741	1.8345	159.1801	8.4300e-003		0.8847	0.8847		0.8847	0.8847		287.4530	287.4530	0.2746		294.3181
Total	95.5639	18.2273	166.1558	0.1131		2.2100	2.2100		2.2100	2.2100	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460

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	12.5206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	70.6424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9183	16.3928	6.9757	0.1046		1.3254	1.3254		1.3254	1.3254	0.0000	20,926.9694	20,926.9694	0.4011	0.3837	21,051.3279
Landscaping	4.7741	1.8345	159.1801	8.4300e-003		0.8847	0.8847		0.8847	0.8847		287.4530	287.4530	0.2746		294.3181
Total	89.8554	18.2273	166.1558	0.1131		2.2100	2.2100		2.2100	2.2100	0.0000	21,214.4224	21,214.4224	0.6757	0.3837	21,345.6460

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
