

APPENDIX D

Air Quality and Greenhouse Gas Emissions Model Output

Vista Soleada - Air Basin, Annual

Vista Soleada
Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.90	Acre	10.90	474,804.00	0
User Defined Recreational	26.60	User Defined Unit	26.60	1,158,696.00	0
Single Family Housing	198.00	Dwelling Unit	41.60	356,400.00	640
User Defined Retail	1.80	User Defined Unit	1.80	78,408.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	13			Operational Year	2011
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MW hr)	1270.9	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2011 Conditions

Land Use - Based on Land Use Summary

Construction Phase - Based on anticipated construction schedule from 2018 to 2021

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Vista Soleada - Air Basin, Annual

Off-road Equipment -

Off-road Equipment - Based on construction equipment assumptions during utility phase

Trips and VMT -

On-road Fugitive Dust - Trips would be made on paved roads. Water trucks would be utilized along roadways

Grading - Project site is 80.9 acres

Architectural Coating -

Vehicle Trips - Based on previous assumptions of traffic study and modified Project

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Vehicles will utilize paved roads

Woodstoves - No woodstoves

Area Coating - Based on project model

Energy Use - CalEEMod assumption

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - 2011 Conditions

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	0	150
tblAreaCoating	Area_EF_Nonresidential_Interior	0	150
tblAreaCoating	Area_EF_Residential_Exterior	0	100

Vista Soleada - Air Basin, Annual

tblAreaCoating	Area_EF_Residential_Interior	0	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	387.50	80.90
tblLandUse	BuildingSpaceSquareFeet	0.00	1,158,696.00
tblLandUse	BuildingSpaceSquareFeet	0.00	78,408.00
tblLandUse	LandUseSquareFeet	0.00	1,158,696.00
tblLandUse	LandUseSquareFeet	0.00	78,408.00
tblLandUse	LotAcreage	0.00	26.60
tblLandUse	LotAcreage	64.29	41.60
tblLandUse	LotAcreage	0.00	1.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Utility
tblOffRoadEquipment	PhaseName		Utility
tblOffRoadEquipment	PhaseName		Utility
tblOffRoadEquipment	PhaseName		Utility
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00

Vista Soleada - Air Basin, Annual

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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblSequestration	NumberOfNewTrees	0.00	500.00

2.0 Emissions Summary

Vista Soleada - Air Basin, Annual

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					
2007	1.9058	13.3807	9.5319	0.0896	1.3063	0.6649	1.9712	0.6276	0.6622	1.2898	0.0000	1,066.372 5	1,066.372 5	0.1839	0.0000	1,070.970 6
2008	8.0355	19.4533	29.7974	0.1361	1.4564	0.7789	2.2353	0.3918	0.7632	1.1550	0.0000	2,544.946 4	2,544.946 4	0.4956	0.0000	2,557.336 5
2009	12.7544	20.4900	32.1383	0.1436	1.5717	0.8557	2.4275	0.4224	0.8399	1.2623	0.0000	2,719.612 1	2,719.612 1	0.5232	0.0000	2,732.691 2
2010	9.9580	10.3629	16.6601	0.0211	1.1430	0.5005	1.6435	0.3070	0.4762	0.7831	0.0000	1,921.126 7	1,921.126 7	0.2924	0.0000	1,928.437 3
Maximum	12.7544	20.4900	32.1383	0.1436	1.5717	0.8557	2.4275	0.6276	0.8399	1.2898	0.0000	2,719.612 1	2,719.612 1	0.5232	0.0000	2,732.691 2

Vista Soleada - Air Basin, Annual

2.1 Overall Construction

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					
2007	1.9058	13.3807	9.5319	0.0896	1.3063	0.6649	1.9712	0.6276	0.6622	1.2898	0.0000	1,066.3717	1,066.3717	0.1839	0.0000	1,070.9698
2008	8.0355	19.4532	29.7974	0.1361	1.4564	0.7789	2.2353	0.3918	0.7632	1.1550	0.0000	2,544.9460	2,544.9460	0.4956	0.0000	2,557.3362
2009	12.7544	20.4900	32.1383	0.1436	1.5717	0.8557	2.4275	0.4224	0.8399	1.2623	0.0000	2,719.6117	2,719.6117	0.5232	0.0000	2,732.6908
2010	9.9580	10.3629	16.6601	0.0211	1.1430	0.5005	1.6435	0.3070	0.4762	0.7831	0.0000	1,921.1263	1,921.1263	0.2924	0.0000	1,928.4370
Maximum	12.7544	20.4900	32.1383	0.1436	1.5717	0.8557	2.4275	0.6276	0.8399	1.2898	0.0000	2,719.6117	2,719.6117	0.5232	0.0000	2,732.6908

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2007	4-1-2007	2.6460	2.6460
2	4-2-2007	7-1-2007	3.7638	3.7638
3	7-2-2007	10-1-2007	3.8051	3.8051
4	10-2-2007	1-1-2008	5.1325	5.1325
5	1-2-2008	4-1-2008	5.6516	5.6516
6	4-2-2008	7-1-2008	5.6361	5.6361
7	7-2-2008	10-1-2008	7.9565	7.9565
8	10-2-2008	1-1-2009	8.1750	8.1750

Vista Soleada - Air Basin, Annual

9	1-2-2009	4-1-2009	7.9972	7.9972
10	4-2-2009	7-1-2009	8.0828	8.0828
11	7-2-2009	10-1-2009	8.1716	8.1716
12	10-2-2009	1-1-2010	8.1532	8.1532
13	1-2-2010	4-1-2010	6.0310	6.0310
14	4-2-2010	7-1-2010	6.0519	6.0519
15	7-2-2010	9-30-2010	5.4889	5.4889
		Highest	8.1750	8.1750

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	7.4016	0.0221	1.5475	1.0000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	6.5853	6.5853	2.9000e-003	8.0000e-005	6.6806
Energy	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	1,289.9929	1,289.9929	0.0283	0.0102	1,293.7374
Mobile	2.2783	7.1704	28.0726	0.0342	2.4143	0.1452	2.5594	0.6456	0.1383	0.7839	0.0000	3,082.9724	3,082.9724	0.2972	0.0000	3,090.4017
Waste						0.0000	0.0000		0.0000	0.0000	53.2648	0.0000	53.2648	3.1479	0.0000	131.9614
Water						0.0000	0.0000		0.0000	0.0000	4.0927	148.9220	153.0148	0.4238	0.0106	166.7762
Total	9.7103	7.4525	29.7308	0.0359	2.4143	0.1743	2.5886	0.6456	0.1674	0.8130	57.3576	4,528.4726	4,585.8302	3.9000	0.0209	4,689.5572

Vista Soleada - Air Basin, Annual

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	354.0000
Vegetation Land Change	-393.3990
Total	-39.3990

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2007	3/26/2007	5	60	
2	Grading	Grading	3/27/2007	10/29/2007	5	155	
3	Building Construction	Building Construction	10/30/2007	9/10/2010	5	749	
4	Architectural Coating	Architectural Coating	7/10/2008	12/1/2010	5	625	
5	Utility	Paving	9/11/2009	12/24/2009	5	75	
6	Paving	Paving	9/11/2010	12/24/2010	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 80.9

Acres of Paving: 10.9

Vista Soleada - Air Basin, Annual

Residential Indoor: 721,710; Residential Outdoor: 240,570; Non-Residential Indoor: 1,855,656; Non-Residential Outdoor: 618,552; Striped Parking Area: 28,488 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	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
Utility	Generator Sets	1	8.00	84	0.74
Utility	Signal Boards	1	8.00	6	0.82
Utility	Trenchers	1	7.00	78	0.50
Utility	Welders	1	4.00	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

Vista Soleada - Air Basin, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	782.00	302.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Utility	4	10.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2007

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2799	2.0978	0.7895	0.0135		0.1295	0.1295		0.1295	0.1295	0.0000	120.0138	120.0138	0.0228	0.0000	120.5843
Total	0.2799	2.0978	0.7895	0.0135	0.5420	0.1295	0.6714	0.2979	0.1295	0.4274	0.0000	120.0138	120.0138	0.0228	0.0000	120.5843

Vista Soleada - Air Basin, Annual

3.2 Site Preparation - 2007

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	9.6900e-003	0.0104	0.0976	7.0000e-005	5.9200e-003	1.1000e-004	6.0400e-003	1.5700e-003	1.1000e-004	1.6800e-003	0.0000	6.3171	6.3171	7.7000e-004	0.0000	6.3363
Total	9.6900e-003	0.0104	0.0976	7.0000e-005	5.9200e-003	1.1000e-004	6.0400e-003	1.5700e-003	1.1000e-004	1.6800e-003	0.0000	6.3171	6.3171	7.7000e-004	0.0000	6.3363

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					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2799	2.0978	0.7895	0.0135		0.1295	0.1295		0.1295	0.1295	0.0000	120.0137	120.0137	0.0228	0.0000	120.5842
Total	0.2799	2.0978	0.7895	0.0135	0.5420	0.1295	0.6714	0.2979	0.1295	0.4274	0.0000	120.0137	120.0137	0.0228	0.0000	120.5842

Vista Soleada - Air Basin, Annual

3.2 Site Preparation - 2007

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	9.6900e-003	0.0104	0.0976	7.0000e-005	5.9200e-003	1.1000e-004	6.0400e-003	1.5700e-003	1.1000e-004	1.6800e-003	0.0000	6.3171	6.3171	7.7000e-004	0.0000	6.3363
Total	9.6900e-003	0.0104	0.0976	7.0000e-005	5.9200e-003	1.1000e-004	6.0400e-003	1.5700e-003	1.1000e-004	1.6800e-003	0.0000	6.3171	6.3171	7.7000e-004	0.0000	6.3363

3.3 Grading - 2007

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5096	0.0000	0.5096	0.2612	0.0000	0.2612	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9336	7.9797	3.5718	0.0530		0.4057	0.4057		0.4057	0.4057	0.0000	507.1311	507.1311	0.0761	0.0000	509.0324
Total	0.9336	7.9797	3.5718	0.0530	0.5096	0.4057	0.9153	0.2612	0.4057	0.6669	0.0000	507.1311	507.1311	0.0761	0.0000	509.0324

Vista Soleada - Air Basin, Annual

3.3 Grading - 2007

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	0.0278	0.0297	0.2802	2.0000e-004	0.0170	3.3000e-004	0.0173	4.5100e-003	3.1000e-004	4.8200e-003	0.0000	18.1324	18.1324	2.2100e-003	0.0000	18.1876
Total	0.0278	0.0297	0.2802	2.0000e-004	0.0170	3.3000e-004	0.0173	4.5100e-003	3.1000e-004	4.8200e-003	0.0000	18.1324	18.1324	2.2100e-003	0.0000	18.1876

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					0.5096	0.0000	0.5096	0.2612	0.0000	0.2612	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9336	7.9797	3.5718	0.0530		0.4057	0.4057		0.4057	0.4057	0.0000	507.1305	507.1305	0.0761	0.0000	509.0318
Total	0.9336	7.9797	3.5718	0.0530	0.5096	0.4057	0.9153	0.2612	0.4057	0.6668	0.0000	507.1305	507.1305	0.0761	0.0000	509.0318

Vista Soleada - Air Basin, Annual

3.3 Grading - 2007

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	0.0278	0.0297	0.2802	2.0000e-004	0.0170	3.3000e-004	0.0173	4.5100e-003	3.1000e-004	4.8200e-003	0.0000	18.1324	18.1324	2.2100e-003	0.0000	18.1876
Total	0.0278	0.0297	0.2802	2.0000e-004	0.0170	3.3000e-004	0.0173	4.5100e-003	3.1000e-004	4.8200e-003	0.0000	18.1324	18.1324	2.2100e-003	0.0000	18.1876

3.4 Building Construction - 2007

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	0.1494	0.7426	0.4037	5.5200e-003		0.0703	0.0703		0.0703	0.0703	0.0000	47.1516	47.1516	0.0122	0.0000	47.4565
Total	0.1494	0.7426	0.4037	5.5200e-003		0.0703	0.0703		0.0703	0.0703	0.0000	47.1516	47.1516	0.0122	0.0000	47.4565

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2007

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	0.1897	2.1832	1.2085	0.0150	0.0388	0.0553	0.0940	0.0112	0.0529	0.0641	0.0000	161.7941	161.7941	0.0448	0.0000	162.9145
Worker	0.3156	0.3373	3.1806	2.3200e-003	0.1930	3.7400e-003	0.1967	0.0512	3.4600e-003	0.0547	0.0000	205.8323	205.8323	0.0251	0.0000	206.4589
Total	0.5053	2.5205	4.3892	0.0173	0.2318	0.0590	0.2908	0.0624	0.0563	0.1188	0.0000	367.6264	367.6264	0.0699	0.0000	369.3734

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	0.1494	0.7426	0.4037	5.5200e-003		0.0703	0.0703		0.0703	0.0703	0.0000	47.1515	47.1515	0.0122	0.0000	47.4565
Total	0.1494	0.7426	0.4037	5.5200e-003		0.0703	0.0703		0.0703	0.0703	0.0000	47.1515	47.1515	0.0122	0.0000	47.4565

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2007

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	0.1897	2.1832	1.2085	0.0150	0.0388	0.0553	0.0940	0.0112	0.0529	0.0641	0.0000	161.7941	161.7941	0.0448	0.0000	162.9145
Worker	0.3156	0.3373	3.1806	2.3200e-003	0.1930	3.7400e-003	0.1967	0.0512	3.4600e-003	0.0547	0.0000	205.8323	205.8323	0.0251	0.0000	206.4589
Total	0.5053	2.5205	4.3892	0.0173	0.2318	0.0590	0.2908	0.0624	0.0563	0.1188	0.0000	367.6264	367.6264	0.0699	0.0000	369.3734

3.4 Building Construction - 2008

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	0.8699	4.3238	2.3503	0.0321		0.4094	0.4094		0.4094	0.4094	0.0000	274.5269	274.5269	0.0710	0.0000	276.3023
Total	0.8699	4.3238	2.3503	0.0321		0.4094	0.4094		0.4094	0.4094	0.0000	274.5269	274.5269	0.0710	0.0000	276.3023

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2008

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	1.1046	12.7111	7.0363	0.0873	0.2257	0.3217	0.5474	0.0651	0.3078	0.3729	0.0000	942.0012	942.0012	0.2609	0.0000	948.5245
Worker	1.8374	1.9639	18.5184	0.0135	1.1237	0.0218	1.1455	0.2983	0.0202	0.3185	0.0000	1,198.4016	1,198.4016	0.1459	0.0000	1,202.0496
Total	2.9420	14.6749	25.5547	0.1009	1.3495	0.3435	1.6929	0.3634	0.3279	0.6914	0.0000	2,140.4028	2,140.4028	0.4069	0.0000	2,150.5741

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	0.8699	4.3238	2.3503	0.0321		0.4094	0.4094		0.4094	0.4094	0.0000	274.5266	274.5266	0.0710	0.0000	276.3020
Total	0.8699	4.3238	2.3503	0.0321		0.4094	0.4094		0.4094	0.4094	0.0000	274.5266	274.5266	0.0710	0.0000	276.3020

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2008

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	1.1046	12.7111	7.0363	0.0873	0.2257	0.3217	0.5474	0.0651	0.3078	0.3729	0.0000	942.0012	942.0012	0.2609	0.0000	948.5245
Worker	1.8374	1.9639	18.5184	0.0135	1.1237	0.0218	1.1455	0.2983	0.0202	0.3185	0.0000	1,198.4016	1,198.4016	0.1459	0.0000	1,202.0496
Total	2.9420	14.6749	25.5547	0.1009	1.3495	0.3435	1.6929	0.3634	0.3279	0.6914	0.0000	2,140.4028	2,140.4028	0.4069	0.0000	2,150.5741

3.4 Building Construction - 2009

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	0.8665	4.3073	2.3413	0.0320		0.4078	0.4078		0.4078	0.4078	0.0000	273.4791	273.4791	0.0708	0.0000	275.2478
Total	0.8665	4.3073	2.3413	0.0320		0.4078	0.4078		0.4078	0.4078	0.0000	273.4791	273.4791	0.0708	0.0000	275.2478

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2009

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	1.1004	12.6626	7.0094	0.0870	0.2249	0.3205	0.5453	0.0649	0.3066	0.3715	0.0000	938.4057	938.4057	0.2599	0.0000	944.9042
Worker	1.8304	1.9564	18.4477	0.0135	1.1194	0.0217	1.1411	0.2972	0.0201	0.3172	0.0000	1,193.8276	1,193.8276	0.1454	0.0000	1,197.4617
Total	2.9308	14.6189	25.4572	0.1005	1.3443	0.3421	1.6865	0.3620	0.3267	0.6887	0.0000	2,132.2333	2,132.2333	0.4053	0.0000	2,142.3658

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	0.8665	4.3073	2.3413	0.0320		0.4078	0.4078		0.4078	0.4078	0.0000	273.4788	273.4788	0.0708	0.0000	275.2474
Total	0.8665	4.3073	2.3413	0.0320		0.4078	0.4078		0.4078	0.4078	0.0000	273.4788	273.4788	0.0708	0.0000	275.2474

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2009

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	1.1004	12.6626	7.0094	0.0870	0.2249	0.3205	0.5453	0.0649	0.3066	0.3715	0.0000	938.4057	938.4057	0.2599	0.0000	944.9042
Worker	1.8304	1.9564	18.4477	0.0135	1.1194	0.0217	1.1411	0.2972	0.0201	0.3172	0.0000	1,193.8276	1,193.8276	0.1454	0.0000	1,197.4617
Total	2.9308	14.6189	25.4572	0.1005	1.3443	0.3421	1.6865	0.3620	0.3267	0.6887	0.0000	2,132.2333	2,132.2333	0.4053	0.0000	2,142.3658

3.4 Building Construction - 2010

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	0.3625	2.4485	1.5083	1.9800e-003		0.2008	0.2008		0.1905	0.1905	0.0000	181.4874	181.4874	0.0482	0.0000	182.6935
Total	0.3625	2.4485	1.5083	1.9800e-003		0.2008	0.2008		0.1905	0.1905	0.0000	181.4874	181.4874	0.0482	0.0000	182.6935

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2010

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	0.5314	5.1490	3.2174	6.1400e-003	0.1560	0.1845	0.3405	0.0450	0.1765	0.2215	0.0000	578.1460	578.1460	0.1271	0.0000	581.3223
Worker	0.9603	0.9233	8.7435	9.2100e-003	0.7763	8.7700e-003	0.7851	0.2061	8.1300e-003	0.2142	0.0000	823.8947	823.8947	0.0684	0.0000	825.6049
Total	1.4917	6.0724	11.9609	0.0154	0.9323	0.1933	1.1256	0.2511	0.1847	0.4357	0.0000	1,402.0407	1,402.0407	0.1955	0.0000	1,406.9272

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	0.3625	2.4485	1.5083	1.9800e-003		0.2008	0.2008		0.1905	0.1905	0.0000	181.4872	181.4872	0.0482	0.0000	182.6933
Total	0.3625	2.4485	1.5083	1.9800e-003		0.2008	0.2008		0.1905	0.1905	0.0000	181.4872	181.4872	0.0482	0.0000	182.6933

Vista Soleada - Air Basin, Annual

3.4 Building Construction - 2010

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	0.5314	5.1490	3.2174	6.1400e-003	0.1560	0.1845	0.3405	0.0450	0.1765	0.2215	0.0000	578.1460	578.1460	0.1271	0.0000	581.3223
Worker	0.9603	0.9233	8.7435	9.2100e-003	0.7763	8.7700e-003	0.7851	0.2061	8.1300e-003	0.2142	0.0000	823.8947	823.8947	0.0684	0.0000	825.6049
Total	1.4917	6.0724	11.9609	0.0154	0.9323	0.1933	1.1256	0.2511	0.1847	0.4357	0.0000	1,402.0407	1,402.0407	0.1955	0.0000	1,406.9272

3.5 Architectural Coating - 2008

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	4.0018					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0470	0.2676	0.1299	1.8600e-003		0.0240	0.0240		0.0240	0.0240	0.0000	15.9578	15.9578	3.8500e-003	0.0000	16.0540
Total	4.0488	0.2676	0.1299	1.8600e-003		0.0240	0.0240		0.0240	0.0240	0.0000	15.9578	15.9578	3.8500e-003	0.0000	16.0540

Vista Soleada - Air Basin, Annual

3.5 Architectural Coating - 2008

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	0.1749	0.1869	1.7625	1.2900e-003	0.1070	2.0700e-003	0.1090	0.0284	1.9200e-003	0.0303	0.0000	114.0588	114.0588	0.0139	0.0000	114.4060
Total	0.1749	0.1869	1.7625	1.2900e-003	0.1070	2.0700e-003	0.1090	0.0284	1.9200e-003	0.0303	0.0000	114.0588	114.0588	0.0139	0.0000	114.4060

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	4.0018					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0470	0.2676	0.1299	1.8600e-003		0.0240	0.0240		0.0240	0.0240	0.0000	15.9578	15.9578	3.8500e-003	0.0000	16.0540
Total	4.0488	0.2676	0.1299	1.8600e-003		0.0240	0.0240		0.0240	0.0240	0.0000	15.9578	15.9578	3.8500e-003	0.0000	16.0540

Vista Soleada - Air Basin, Annual

3.5 Architectural Coating - 2008

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	0.1749	0.1869	1.7625	1.2900e-003	0.1070	2.0700e-003	0.1090	0.0284	1.9200e-003	0.0303	0.0000	114.0588	114.0588	0.0139	0.0000	114.4060
Total	0.1749	0.1869	1.7625	1.2900e-003	0.1070	2.0700e-003	0.1090	0.0284	1.9200e-003	0.0303	0.0000	114.0588	114.0588	0.0139	0.0000	114.4060

3.5 Architectural Coating - 2009

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	8.3558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0981	0.5588	0.2712	3.8800e-003		0.0501	0.0501		0.0501	0.0501	0.0000	33.3200	33.3200	8.0300e-003	0.0000	33.5208
Total	8.4540	0.5588	0.2712	3.8800e-003		0.0501	0.0501		0.0501	0.0501	0.0000	33.3200	33.3200	8.0300e-003	0.0000	33.5208

Vista Soleada - Air Basin, Annual

3.5 Architectural Coating - 2009

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	0.3651	0.3903	3.6801	2.6900e-003	0.2233	4.3200e-003	0.2276	0.0593	4.0100e-003	0.0633	0.0000	238.1549	238.1549	0.0290	0.0000	238.8798
Total	0.3651	0.3903	3.6801	2.6900e-003	0.2233	4.3200e-003	0.2276	0.0593	4.0100e-003	0.0633	0.0000	238.1549	238.1549	0.0290	0.0000	238.8798

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	8.3558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0981	0.5588	0.2712	3.8800e-003		0.0501	0.0501		0.0501	0.0501	0.0000	33.3199	33.3199	8.0300e-003	0.0000	33.5207
Total	8.4540	0.5588	0.2712	3.8800e-003		0.0501	0.0501		0.0501	0.0501	0.0000	33.3199	33.3199	8.0300e-003	0.0000	33.5207

Vista Soleada - Air Basin, Annual

3.5 Architectural Coating - 2009

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	0.3651	0.3903	3.6801	2.6900e-003	0.2233	4.3200e-003	0.2276	0.0593	4.0100e-003	0.0633	0.0000	238.1549	238.1549	0.0290	0.0000	238.8798
Total	0.3651	0.3903	3.6801	2.6900e-003	0.2233	4.3200e-003	0.2276	0.0593	4.0100e-003	0.0633	0.0000	238.1549	238.1549	0.0290	0.0000	238.8798

3.5 Architectural Coating - 2010

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	7.6515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0718	0.4251	0.2393	3.6000e-004		0.0387	0.0387		0.0387	0.0387	0.0000	30.5114	30.5114	5.8500e-003	0.0000	30.6577
Total	7.7233	0.4251	0.2393	3.6000e-004		0.0387	0.0387		0.0387	0.0387	0.0000	30.5114	30.5114	5.8500e-003	0.0000	30.6577

Vista Soleada - Air Basin, Annual

3.5 Architectural Coating - 2010

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	0.2530	0.2432	2.3031	2.4300e-003	0.2045	2.3100e-003	0.2068	0.0543	2.1400e-003	0.0564	0.0000	217.0246	217.0246	0.0180	0.0000	217.4750
Total	0.2530	0.2432	2.3031	2.4300e-003	0.2045	2.3100e-003	0.2068	0.0543	2.1400e-003	0.0564	0.0000	217.0246	217.0246	0.0180	0.0000	217.4750

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	7.6515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0718	0.4251	0.2393	3.6000e-004		0.0387	0.0387		0.0387	0.0387	0.0000	30.5114	30.5114	5.8500e-003	0.0000	30.6577
Total	7.7233	0.4251	0.2393	3.6000e-004		0.0387	0.0387		0.0387	0.0387	0.0000	30.5114	30.5114	5.8500e-003	0.0000	30.6577

Vista Soleada - Air Basin, Annual

3.5 Architectural Coating - 2010

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	0.2530	0.2432	2.3031	2.4300e-003	0.2045	2.3100e-003	0.2068	0.0543	2.1400e-003	0.0564	0.0000	217.0246	217.0246	0.0180	0.0000	217.4750
Total	0.2530	0.2432	2.3031	2.4300e-003	0.2045	2.3100e-003	0.2068	0.0543	2.1400e-003	0.0564	0.0000	217.0246	217.0246	0.0180	0.0000	217.4750

3.6 Utility - 2009

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	0.1171	0.6075	0.3208	4.5300e-003		0.0513	0.0513		0.0513	0.0513	0.0000	38.0380	38.0380	9.5500e-003	0.0000	38.2768
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1313	0.6075	0.3208	4.5300e-003		0.0513	0.0513		0.0513	0.0513	0.0000	38.0380	38.0380	9.5500e-003	0.0000	38.2768

Vista Soleada - Air Basin, Annual

3.6 Utility - 2009

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	6.7300e-003	7.1900e-003	0.0678	5.0000e-005	4.1100e-003	8.0000e-005	4.1900e-003	1.0900e-003	7.0000e-005	1.1700e-003	0.0000	4.3869	4.3869	5.3000e-004	0.0000	4.4002
Total	6.7300e-003	7.1900e-003	0.0678	5.0000e-005	4.1100e-003	8.0000e-005	4.1900e-003	1.0900e-003	7.0000e-005	1.1700e-003	0.0000	4.3869	4.3869	5.3000e-004	0.0000	4.4002

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	0.1171	0.6075	0.3208	4.5300e-003		0.0513	0.0513		0.0513	0.0513	0.0000	38.0379	38.0379	9.5500e-003	0.0000	38.2768
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1313	0.6075	0.3208	4.5300e-003		0.0513	0.0513		0.0513	0.0513	0.0000	38.0379	38.0379	9.5500e-003	0.0000	38.2768

Vista Soleada - Air Basin, Annual

3.6 Utility - 2009

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	6.7300e-003	7.1900e-003	0.0678	5.0000e-005	4.1100e-003	8.0000e-005	4.1900e-003	1.0900e-003	7.0000e-005	1.1700e-003	0.0000	4.3869	4.3869	5.3000e-004	0.0000	4.4002
Total	6.7300e-003	7.1900e-003	0.0678	5.0000e-005	4.1100e-003	8.0000e-005	4.1900e-003	1.0900e-003	7.0000e-005	1.1700e-003	0.0000	4.3869	4.3869	5.3000e-004	0.0000	4.4002

3.7 Paving - 2010

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	0.1056	1.1664	0.5790	8.5000e-004		0.0654	0.0654		0.0602	0.0602	0.0000	83.5141	83.5141	0.0243	0.0000	84.1219
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1199	1.1664	0.5790	8.5000e-004		0.0654	0.0654		0.0602	0.0602	0.0000	83.5141	83.5141	0.0243	0.0000	84.1219

Vista Soleada - Air Basin, Annual

3.7 Paving - 2010

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	7.6300e-003	7.3400e-003	0.0695	7.0000e-005	6.1700e-003	7.0000e-005	6.2400e-003	1.6400e-003	6.0000e-005	1.7000e-003	0.0000	6.5485	6.5485	5.4000e-004	0.0000	6.5621
Total	7.6300e-003	7.3400e-003	0.0695	7.0000e-005	6.1700e-003	7.0000e-005	6.2400e-003	1.6400e-003	6.0000e-005	1.7000e-003	0.0000	6.5485	6.5485	5.4000e-004	0.0000	6.5621

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	0.1056	1.1664	0.5790	8.5000e-004		0.0654	0.0654		0.0602	0.0602	0.0000	83.5140	83.5140	0.0243	0.0000	84.1218
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1199	1.1664	0.5790	8.5000e-004		0.0654	0.0654		0.0602	0.0602	0.0000	83.5140	83.5140	0.0243	0.0000	84.1218

Vista Soleada - Air Basin, Annual

3.7 Paving - 2010

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	7.6300e-003	7.3400e-003	0.0695	7.0000e-005	6.1700e-003	7.0000e-005	6.2400e-003	1.6400e-003	6.0000e-005	1.7000e-003	0.0000	6.5485	6.5485	5.4000e-004	0.0000	6.5621
Total	7.6300e-003	7.3400e-003	0.0695	7.0000e-005	6.1700e-003	7.0000e-005	6.2400e-003	1.6400e-003	6.0000e-005	1.7000e-003	0.0000	6.5485	6.5485	5.4000e-004	0.0000	6.5621

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Vista Soleada - Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.2783	7.1704	28.0726	0.0342	2.4143	0.1452	2.5594	0.6456	0.1383	0.7839	0.0000	3,082.9724	3,082.9724	0.2972	0.0000	3,090.4017
Unmitigated	2.2783	7.1704	28.0726	0.0342	2.4143	0.1452	2.5594	0.6456	0.1383	0.7839	0.0000	3,082.9724	3,082.9724	0.2972	0.0000	3,090.4017

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,884.96	1,962.18	1706.76	6,336,427	6,336,427
User Defined Recreational	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	1,884.96	1,962.18	1,706.76	6,336,427	6,336,427

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	13.80	6.20	6.20	0.00	0.00	0.00	0	0	0
Single Family Housing	14.60	6.90	8.10	40.20	19.20	40.60	86	11	3
User Defined Recreational	13.80	6.20	6.20	0.00	0.00	0.00	0	0	0
User Defined Retail	13.80	6.20	6.20	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Vista Soleada - Air Basin, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.480247	0.064613	0.174407	0.178718	0.032076	0.007523	0.013048	0.021194	0.001015	0.000421	0.018641	0.000727	0.007369
User Defined Recreational	0.480247	0.064613	0.174407	0.178718	0.032076	0.007523	0.013048	0.021194	0.001015	0.000421	0.018641	0.000727	0.007369
Single Family Housing	0.480247	0.064613	0.174407	0.178718	0.032076	0.007523	0.013048	0.021194	0.001015	0.000421	0.018641	0.000727	0.007369
User Defined Retail	0.480247	0.064613	0.174407	0.178718	0.032076	0.007523	0.013048	0.021194	0.001015	0.000421	0.018641	0.000727	0.007369

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	988.9396	988.9396	0.0226	4.6700e-003	990.8951
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	988.9396	988.9396	0.0226	4.6700e-003	990.8951
NaturalGas Mitigated	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423
NaturalGas Unmitigated	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423

Vista Soleada - Air Basin, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.64152e+006	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423

Vista Soleada - Air Basin, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.64152e+006	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423

Vista Soleada - Air Basin, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.71551e+006	988.9396	0.0226	4.6700e-003	990.8951
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		988.9396	0.0226	4.6700e-003	990.8951

Vista Soleada - Air Basin, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.71551e+006	988.9396	0.0226	4.6700e-003	990.8951
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		988.9396	0.0226	4.6700e-003	990.8951

6.0 Area Detail

6.1 Mitigation Measures Area

Vista Soleada - Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.4016	0.0221	1.5475	1.0000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	6.5853	6.5853	2.9000e-003	8.0000e-005	6.6806
Unmitigated	7.4016	0.0221	1.5475	1.0000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	6.5853	6.5853	2.9000e-003	8.0000e-005	6.6806

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	1.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2541					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.2000e-004	3.6100e-003	1.5400e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	4.1831	4.1831	8.0000e-005	8.0000e-005	4.2080
Landscaping	0.0540	0.0185	1.5460	8.0000e-005		7.8400e-003	7.8400e-003		7.8400e-003	7.8400e-003	0.0000	2.4022	2.4022	2.8200e-003	0.0000	2.4727
Total	7.4016	0.0221	1.5476	1.0000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	6.5853	6.5853	2.9000e-003	8.0000e-005	6.6806

Vista Soleada - Air Basin, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2541					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.2000e-004	3.6100e-003	1.5400e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	4.1831	4.1831	8.0000e-005	8.0000e-005	4.2080
Landscaping	0.0540	0.0185	1.5460	8.0000e-005		7.8400e-003	7.8400e-003		7.8400e-003	7.8400e-003	0.0000	2.4022	2.4022	2.8200e-003	0.0000	2.4727
Total	7.4016	0.0221	1.5476	1.0000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	6.5853	6.5853	2.9000e-003	8.0000e-005	6.6806

7.0 Water Detail

7.1 Mitigation Measures Water

Vista Soleada - Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	153.0148	0.4238	0.0106	166.7762
Unmitigated	153.0148	0.4238	0.0106	166.7762

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	12.9005 / 8.13292	153.0148	0.4238	0.0106	166.7762
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		153.0148	0.4238	0.0106	166.7762

Vista Soleada - Air Basin, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	12.9005 / 8.13292	153.0148	0.4238	0.0106	166.7762
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		153.0148	0.4238	0.0106	166.7762

8.0 Waste Detail

8.1 Mitigation Measures Waste

Vista Soleada - Air Basin, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	53.2648	3.1479	0.0000	131.9614
Unmitigated	53.2648	3.1479	0.0000	131.9614

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	262.4	53.2648	3.1479	0.0000	131.9614
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		53.2648	3.1479	0.0000	131.9614

Vista Soleada - Air Basin, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	262.4	53.2648	3.1479	0.0000	131.9614
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		53.2648	3.1479	0.0000	131.9614

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Vista Soleada - Air Basin, Annual

Equipment Type	Number
----------------	--------

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-39.3990	0.0000	0.0000	-39.3990

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	80.9 / 0	-501.5800	0.0000	0.0000	-501.5800
Grassland	0 / 25.1	108.1810	0.0000	0.0000	108.1810
Total		-393.3990	0.0000	0.0000	-393.3990

Vista Soleada - Air Basin, Annual

11.2 Net New Trees**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	500	354.0000	0.0000	0.0000	354.0000
Total		354.0000	0.0000	0.0000	354.0000

Vista Soleada Project - Salton Sea Air Basin, Annual

Vista Soleada Project
Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.90	Acre	10.90	474,804.00	0
User Defined Recreational	26.60	User Defined Unit	26.60	1,158,696.00	0
Single Family Housing	198.00	Dwelling Unit	41.60	356,400.00	640
User Defined Retail	1.80	User Defined Unit	1.80	78,408.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	13			Operational Year	2020
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Vista Soleada Project - Salton Sea Air Basin, Annual

Project Characteristics -

Land Use - Based on land uses

Construction Phase - Based on construction schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Bsed on construction assumption

Grading - 80.9 acre site

On-road Fugitive Dust - Paved roads

Road Dust - Paved roads

Woodstoves - No woodstoves

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Dust Control

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Vista Soleada Project - Salton Sea Air Basin, Annual

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	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
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	110.00	625.00
tblConstructionPhase	NumDays	1,550.00	749.00
tblConstructionPhase	NumDays	110.00	75.00

Vista Soleada Project - Salton Sea Air Basin, Annual

tblConstructionPhase	NumDays	110.00	75.00
tblConstructionPhase	PhaseEndDate	1/1/2018	11/30/2021
tblConstructionPhase	PhaseEndDate	1/1/2018	9/10/2021
tblConstructionPhase	PhaseEndDate	1/1/2018	10/29/2018
tblConstructionPhase	PhaseEndDate	1/1/2018	12/24/2019
tblConstructionPhase	PhaseEndDate	1/1/2018	3/26/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	7/10/2019
tblConstructionPhase	PhaseStartDate	1/2/2018	10/30/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	3/27/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	9/11/2019
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	387.50	80.90
tblLandUse	BuildingSpaceSquareFeet	0.00	1,158,696.00
tblLandUse	BuildingSpaceSquareFeet	0.00	78,408.00
tblLandUse	LandUseSquareFeet	0.00	1,158,696.00
tblLandUse	LandUseSquareFeet	0.00	78,408.00
tblLandUse	LotAcreage	64.29	41.60
tblLandUse	LotAcreage	0.00	26.60
tblLandUse	LotAcreage	0.00	1.80
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType	Rollers	Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

Vista Soleada Project - Salton Sea Air Basin, Annual

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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblRoadDust	RoadPercentPave	50	100
tblSequestration	NumberOfNewTrees	0.00	500.00

2.0 Emissions Summary

Vista Soleada Project - Salton Sea Air Basin, Annual

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					
2018	0.7253	7.3127	4.8298	9.6700e-003	1.2481	0.3156	1.5638	0.6121	0.2912	0.9033	0.0000	885.2443	885.2443	0.2010	0.0000	890.2685
2019	3.2803	7.4177	8.2974	0.0221	1.1249	0.2099	1.3348	0.3032	0.1981	0.5012	0.0000	2,027.3220	2,027.3220	0.2006	0.0000	2,032.3380
2020	5.6409	6.7454	8.0266	0.0224	1.2157	0.1789	1.3946	0.3273	0.1702	0.4974	0.0000	2,048.8260	2,048.8260	0.1758	0.0000	2,053.2220
2021	4.8257	4.1258	5.2348	0.0153	0.8745	0.0914	0.9658	0.2353	0.0869	0.3222	0.0000	1,402.7161	1,402.7161	0.1133	0.0000	1,405.5485
Maximum	5.6409	7.4177	8.2974	0.0224	1.2481	0.3156	1.5638	0.6121	0.2912	0.9033	0.0000	2,048.8260	2,048.8260	0.2010	0.0000	2,053.2220

Vista Soleada Project - Salton Sea Air Basin, Annual

2.1 Overall Construction

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					
2018	0.3033	4.0232	4.9667	9.6700e-003	0.4541	0.1536	0.6077	0.2277	0.1533	0.3810	0.0000	885.2436	885.2436	0.2010	0.0000	890.2678
2019	3.0550	6.7183	8.3992	0.0221	0.3692	0.1665	0.5357	0.1177	0.1649	0.2826	0.0000	2,027.3216	2,027.3216	0.2006	0.0000	2,032.3376
2020	5.4355	6.2645	8.0452	0.0224	0.3971	0.1577	0.5548	0.1264	0.1564	0.2828	0.0000	2,048.8257	2,048.8257	0.1758	0.0000	2,053.2216
2021	4.7171	3.9824	5.2679	0.0153	0.2849	0.0939	0.3788	0.0906	0.0933	0.1839	0.0000	1,402.7158	1,402.7158	0.1133	0.0000	1,405.5483
Maximum	5.4355	6.7183	8.3992	0.0224	0.4541	0.1665	0.6077	0.2277	0.1649	0.3810	0.0000	2,048.8257	2,048.8257	0.2010	0.0000	2,053.2216

	ROG	NOx	CO	SO2	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	6.64	18.02	-1.10	0.00	66.27	28.16	60.51	61.95	23.90	49.18	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	1-2-2018	4-1-2018	1.7275	0.6736
2	4-2-2018	7-1-2018	2.1075	1.0314
3	7-2-2018	10-1-2018	2.1307	1.0428
4	10-2-2018	1-1-2019	2.0873	1.5918
5	1-2-2019	4-1-2019	1.8720	1.6995
6	4-2-2019	7-1-2019	1.9175	1.7431
7	7-2-2019	10-1-2019	3.2298	2.9966
8	10-2-2019	1-1-2020	3.6958	3.3523

Vista Soleada Project - Salton Sea Air Basin, Annual

9	1-2-2020	4-1-2020	2.9752	2.8347
10	4-2-2020	7-1-2020	3.0061	2.8656
11	7-2-2020	10-1-2020	3.0388	2.8968
12	10-2-2020	1-1-2021	3.0058	2.8643
13	1-2-2021	4-1-2021	2.7850	2.6988
14	4-2-2021	7-1-2021	2.8478	2.7607
15	7-2-2021	9-30-2021	2.4942	2.4239
		Highest	3.6958	3.3523

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	7.3925	0.0207	1.4770	1.0000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	6.5853	6.5853	2.4200e-003	8.0000e-005	6.6688
Energy	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	1,289.9929	1,289.9929	0.0283	0.0102	1,293.7374
Mobile	0.9976	2.6868	9.6662	0.0194	1.5914	0.0181	1.6096	0.4251	0.0170	0.4421	0.0000	1,767.0446	1,767.0446	0.1303	0.0000	1,770.3012
Waste						0.0000	0.0000		0.0000	0.0000	53.2648	0.0000	53.2648	3.1479	0.0000	131.9614
Water						0.0000	0.0000		0.0000	0.0000	4.0927	148.9220	153.0148	0.4238	0.0106	166.7762
Total	8.4205	2.9675	11.2537	0.0212	1.5914	0.0476	1.6390	0.4251	0.0465	0.4715	57.3576	3,212.5448	3,269.9023	3.7327	0.0209	3,369.4448

Vista Soleada Project - Salton Sea Air Basin, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9272	0.0207	1.4770	1.0000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	6.5853	6.5853	2.4200e-003	8.0000e-005	6.6688
Energy	0.0265	0.2267	0.0965	1.4500e-003		0.0183	0.0183		0.0183	0.0183	0.0000	1,245.0406	1,245.0406	0.0275	9.4500e-003	1,248.5434
Mobile	0.9976	2.6868	9.6662	0.0194	1.5914	0.0181	1.6096	0.4251	0.0170	0.4421	0.0000	1,767.0446	1,767.0446	0.1303	0.0000	1,770.3012
Waste						0.0000	0.0000		0.0000	0.0000	15.9795	0.0000	15.9795	0.9444	0.0000	39.5884
Water						0.0000	0.0000		0.0000	0.0000	3.2742	119.1376	122.4118	0.3390	8.5000e-003	133.4209
Total	7.9513	2.9342	11.2396	0.0210	1.5914	0.0449	1.6363	0.4251	0.0438	0.4688	19.2536	3,137.8080	3,157.0617	1.4435	0.0180	3,198.5227

	ROG	NOx	CO	SO2	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	5.57	1.12	0.13	0.99	0.00	5.66	0.16	0.00	5.79	0.57	66.43	2.33	3.45	61.33	13.73	5.07

Vista Soleada Project - Salton Sea Air Basin, Annual

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	354.0000
Vegetation Land Change	-393.3990
Total	-39.3990

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2018	3/26/2018	5	60	
2	Grading	Grading	3/27/2018	10/29/2018	5	155	
3	Building Construction	Building Construction	10/30/2018	9/10/2021	5	749	
4	Architectural Coating	Architectural Coating	7/10/2019	11/30/2021	5	625	
5	Paving	Paving	9/11/2019	12/24/2019	5	75	
6	Utility	Paving	9/11/2020	12/24/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 80.9

Acres of Paving: 10.9

Vista Soleada Project - Salton Sea Air Basin, Annual

Residential Indoor: 721,710; Residential Outdoor: 240,570; Non-Residential Indoor: 1,855,656; Non-Residential Outdoor: 618,552; Striped Parking Area: 28,488 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Utility	Signal Boards	1	8.00	6	0.82
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Utility	Generator Sets	1	8.00	84	0.74
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45
Utility	Trenchers	1	7.00	78	0.50
Utility	Welders	1	4.00	46	0.45

Trips and VMT

Vista Soleada Project - Salton Sea Air Basin, Annual

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
Architectural Coating	1	156.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	782.00	302.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Utility	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	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
Site Preparation	7	18.00	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

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1369	1.4460	0.6743	1.1400e-003		0.0773	0.0773		0.0711	0.0711	0.0000	104.2797	104.2797	0.0325	0.0000	105.0913
Total	0.1369	1.4460	0.6743	1.1400e-003	0.5420	0.0773	0.6193	0.2979	0.0711	0.3690	0.0000	104.2797	104.2797	0.0325	0.0000	105.0913

Vista Soleada Project - Salton Sea Air Basin, Annual

3.2 Site Preparation - 2018

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	3.2300e-003	2.5100e-003	0.0244	5.0000e-005	4.4600e-003	3.0000e-005	4.4900e-003	1.1900e-003	3.0000e-005	1.2100e-003	0.0000	4.0641	4.0641	2.0000e-004	0.0000	4.0691
Total	3.2300e-003	2.5100e-003	0.0244	5.0000e-005	4.4600e-003	3.0000e-005	4.4900e-003	1.1900e-003	3.0000e-005	1.2100e-003	0.0000	4.0641	4.0641	2.0000e-004	0.0000	4.0691

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					0.2008	0.0000	0.2008	0.1104	0.0000	0.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.5720	0.6888	1.1400e-003		0.0284	0.0284		0.0284	0.0284	0.0000	104.2796	104.2796	0.0325	0.0000	105.0912
Total	0.0279	0.5720	0.6888	1.1400e-003	0.2008	0.0284	0.2292	0.1104	0.0284	0.1388	0.0000	104.2796	104.2796	0.0325	0.0000	105.0912

Vista Soleada Project - Salton Sea Air Basin, Annual

3.2 Site Preparation - 2018

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	3.2300e-003	2.5100e-003	0.0244	5.0000e-005	1.3700e-003	3.0000e-005	1.4000e-003	4.2000e-004	3.0000e-005	4.5000e-004	0.0000	4.0641	4.0641	2.0000e-004	0.0000	4.0691
Total	3.2300e-003	2.5100e-003	0.0244	5.0000e-005	1.3700e-003	3.0000e-005	1.4000e-003	4.2000e-004	3.0000e-005	4.5000e-004	0.0000	4.0641	4.0641	2.0000e-004	0.0000	4.0691

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5096	0.0000	0.5096	0.2612	0.0000	0.2612	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3945	4.6129	2.7194	4.8100e-003		0.2041	0.2041		0.1878	0.1878	0.0000	439.0259	439.0259	0.1367	0.0000	442.4428
Total	0.3945	4.6129	2.7194	4.8100e-003	0.5096	0.2041	0.7137	0.2612	0.1878	0.4490	0.0000	439.0259	439.0259	0.1367	0.0000	442.4428

Vista Soleada Project - Salton Sea Air Basin, Annual

3.3 Grading - 2018

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	9.2800e-003	7.2100e-003	0.0701	1.3000e-004	0.0128	9.0000e-005	0.0129	3.4000e-003	8.0000e-005	3.4800e-003	0.0000	11.6656	11.6656	5.7000e-004	0.0000	11.6799
Total	9.2800e-003	7.2100e-003	0.0701	1.3000e-004	0.0128	9.0000e-005	0.0129	3.4000e-003	8.0000e-005	3.4800e-003	0.0000	11.6656	11.6656	5.7000e-004	0.0000	11.6799

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					0.1888	0.0000	0.1888	0.0968	0.0000	0.0968	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1180	2.3233	2.8460	4.8100e-003		0.1007	0.1007		0.1007	0.1007	0.0000	439.0254	439.0254	0.1367	0.0000	442.4422
Total	0.1180	2.3233	2.8460	4.8100e-003	0.1888	0.1007	0.2895	0.0968	0.1007	0.1975	0.0000	439.0254	439.0254	0.1367	0.0000	442.4422

Vista Soleada Project - Salton Sea Air Basin, Annual

3.3 Grading - 2018

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	9.2800e-003	7.2100e-003	0.0701	1.3000e-004	3.9200e-003	9.0000e-005	4.0100e-003	1.2200e-003	8.0000e-005	1.3000e-003	0.0000	11.6656	11.6656	5.7000e-004	0.0000	11.6799
Total	9.2800e-003	7.2100e-003	0.0701	1.3000e-004	3.9200e-003	9.0000e-005	4.0100e-003	1.2200e-003	8.0000e-005	1.3000e-003	0.0000	11.6656	11.6656	5.7000e-004	0.0000	11.6799

3.4 Building Construction - 2018

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	0.0491	0.3920	0.3459	4.9000e-004		0.0279	0.0279		0.0264	0.0264	0.0000	43.1280	43.1280	9.8800e-003	0.0000	43.3750
Total	0.0491	0.3920	0.3459	4.9000e-004		0.0279	0.0279		0.0264	0.0264	0.0000	43.1280	43.1280	9.8800e-003	0.0000	43.3750

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2018

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	0.0271	0.7702	0.2002	1.5900e-003	0.0338	5.1900e-003	0.0390	9.7500e-003	4.9600e-003	0.0147	0.0000	150.6577	150.6577	0.0147	0.0000	151.0241
Worker	0.1053	0.0818	0.7956	1.4700e-003	0.1455	9.7000e-004	0.1464	0.0386	8.9000e-004	0.0395	0.0000	132.4233	132.4233	6.5200e-003	0.0000	132.5862
Total	0.1324	0.8521	0.9957	3.0600e-003	0.1793	6.1600e-003	0.1854	0.0484	5.8500e-003	0.0542	0.0000	283.0810	283.0810	0.0212	0.0000	283.6103

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	0.0124	0.2661	0.3417	4.9000e-004		0.0183	0.0183		0.0183	0.0183	0.0000	43.1280	43.1280	9.8800e-003	0.0000	43.3750
Total	0.0124	0.2661	0.3417	4.9000e-004		0.0183	0.0183		0.0183	0.0183	0.0000	43.1280	43.1280	9.8800e-003	0.0000	43.3750

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2018

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	0.0271	0.7702	0.2002	1.5900e-003	0.0147	5.1900e-003	0.0198	5.0500e-003	4.9600e-003	0.0100	0.0000	150.6577	150.6577	0.0147	0.0000	151.0241
Worker	0.1053	0.0818	0.7956	1.4700e-003	0.0445	9.7000e-004	0.0455	0.0138	8.9000e-004	0.0147	0.0000	132.4233	132.4233	6.5200e-003	0.0000	132.5862
Total	0.1324	0.8521	0.9957	3.0600e-003	0.0592	6.1600e-003	0.0653	0.0189	5.8500e-003	0.0247	0.0000	283.0810	283.0810	0.0212	0.0000	283.6103

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2506	2.0649	1.9780	2.8500e-003		0.1393	0.1393		0.1315	0.1315	0.0000	247.6398	247.6398	0.0560	0.0000	249.0403
Total	0.2506	2.0649	1.9780	2.8500e-003		0.1393	0.1393		0.1315	0.1315	0.0000	247.6398	247.6398	0.0560	0.0000	249.0403

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1421	4.1984	1.0460	9.1400e-003	0.1960	0.0256	0.2216	0.0566	0.0245	0.0810	0.0000	867.4940	867.4940	0.0812	0.0000	869.5233
Worker	0.5595	0.4251	4.1854	8.2600e-003	0.8437	5.5300e-003	0.8492	0.2240	5.0900e-003	0.2291	0.0000	744.2411	744.2411	0.0343	0.0000	745.0996
Total	0.7016	4.6235	5.2314	0.0174	1.0397	0.0311	1.0708	0.2805	0.0295	0.3101	0.0000	1,611.7351	1,611.7351	0.1155	0.0000	1,614.6228

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	0.0718	1.5435	1.9818	2.8500e-003		0.1060	0.1060		0.1060	0.1060	0.0000	247.6395	247.6395	0.0560	0.0000	249.0400
Total	0.0718	1.5435	1.9818	2.8500e-003		0.1060	0.1060		0.1060	0.1060	0.0000	247.6395	247.6395	0.0560	0.0000	249.0400

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1421	4.1984	1.0460	9.1400e-003	0.0850	0.0256	0.1106	0.0293	0.0245	0.0538	0.0000	867.4940	867.4940	0.0812	0.0000	869.5233
Worker	0.5595	0.4251	4.1854	8.2600e-003	0.2581	5.5300e-003	0.2637	0.0803	5.0900e-003	0.0854	0.0000	744.2411	744.2411	0.0343	0.0000	745.0996
Total	0.7016	4.6235	5.2314	0.0174	0.3431	0.0311	0.3742	0.1096	0.0295	0.1391	0.0000	1,611.7351	1,611.7351	0.1155	0.0000	1,614.6228

3.4 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	0.2257	1.8954	1.9647	2.8600e-003		0.1209	0.1209		0.1142	0.1142	0.0000	245.3028	245.3028	0.0552	0.0000	246.6835
Total	0.2257	1.8954	1.9647	2.8600e-003		0.1209	0.1209		0.1142	0.1142	0.0000	245.3028	245.3028	0.0552	0.0000	246.6835

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1246	3.8672	0.9425	9.0900e-003	0.1968	0.0181	0.2149	0.0568	0.0173	0.0741	0.0000	863.6127	863.6127	0.0755	0.0000	865.5007
Worker	0.5197	0.3854	3.8309	8.0200e-003	0.8469	5.4200e-003	0.8523	0.2248	4.9900e-003	0.2298	0.0000	723.3385	723.3385	0.0311	0.0000	724.1167
Total	0.6443	4.2525	4.7734	0.0171	1.0437	0.0236	1.0672	0.2816	0.0223	0.3039	0.0000	1,586.9512	1,586.9512	0.1067	0.0000	1,589.6174

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	0.0720	1.5494	1.9893	2.8600e-003		0.1065	0.1065		0.1065	0.1065	0.0000	245.3025	245.3025	0.0552	0.0000	246.6832
Total	0.0720	1.5494	1.9893	2.8600e-003		0.1065	0.1065		0.1065	0.1065	0.0000	245.3025	245.3025	0.0552	0.0000	246.6832

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1246	3.8672	0.9425	9.0900e-003	0.0853	0.0181	0.1034	0.0294	0.0173	0.0468	0.0000	863.6127	863.6127	0.0755	0.0000	865.5007
Worker	0.5197	0.3854	3.8309	8.0200e-003	0.2591	5.4200e-003	0.2645	0.0806	4.9900e-003	0.0856	0.0000	723.3385	723.3385	0.0311	0.0000	724.1167
Total	0.6443	4.2525	4.7734	0.0171	0.3445	0.0236	0.3680	0.1100	0.0223	0.1323	0.0000	1,586.9512	1,586.9512	0.1067	0.0000	1,589.6174

3.4 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	0.1393	1.1936	1.3430	1.9800e-003		0.0712	0.0712		0.0672	0.0672	0.0000	169.4932	169.4932	0.0376	0.0000	170.4331
Total	0.1393	1.1936	1.3430	1.9800e-003		0.0712	0.0712		0.0672	0.0672	0.0000	169.4932	169.4932	0.0376	0.0000	170.4331

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0759	2.4454	0.5855	6.2500e-003	0.1359	4.4100e-003	0.1403	0.0392	4.2200e-003	0.0434	0.0000	593.2739	593.2739	0.0487	0.0000	594.4925
Worker	0.3345	0.2417	2.4479	5.3500e-003	0.5851	3.6500e-003	0.5887	0.1553	3.3600e-003	0.1587	0.0000	482.8963	482.8963	0.0197	0.0000	483.3889
Total	0.4104	2.6871	3.0334	0.0116	0.7210	8.0600e-003	0.7291	0.1946	7.5800e-003	0.2021	0.0000	1,076.1702	1,076.1702	0.0685	0.0000	1,077.8814

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	0.0498	1.0704	1.3743	1.9800e-003		0.0735	0.0735		0.0735	0.0735	0.0000	169.4930	169.4930	0.0376	0.0000	170.4329
Total	0.0498	1.0704	1.3743	1.9800e-003		0.0735	0.0735		0.0735	0.0735	0.0000	169.4930	169.4930	0.0376	0.0000	170.4329

Vista Soleada Project - Salton Sea Air Basin, Annual

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0759	2.4454	0.5855	6.2500e-003	0.0589	4.4100e-003	0.0634	0.0203	4.2200e-003	0.0245	0.0000	593.2739	593.2739	0.0487	0.0000	594.4925
Worker	0.3345	0.2417	2.4479	5.3500e-003	0.1790	3.6500e-003	0.1827	0.0557	3.3600e-003	0.0590	0.0000	482.8963	482.8963	0.0197	0.0000	483.3889
Total	0.4104	2.6871	3.0334	0.0116	0.2380	8.0600e-003	0.2460	0.0760	7.5800e-003	0.0836	0.0000	1,076.1702	1,076.1702	0.0685	0.0000	1,077.8814

3.5 Architectural Coating - 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					
Archit. Coating	2.1860					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0167	0.1147	0.1151	1.9000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	15.9578	15.9578	1.3500e-003	0.0000	15.9915
Total	2.2027	0.1147	0.1151	1.9000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	15.9578	15.9578	1.3500e-003	0.0000	15.9915

Vista Soleada Project - Salton Sea Air Basin, Annual

3.5 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0406	0.3999	7.9000e-004	0.0806	5.3000e-004	0.0811	0.0214	4.9000e-004	0.0219	0.0000	71.1051	71.1051	3.2800e-003	0.0000	71.1872
Total	0.0535	0.0406	0.3999	7.9000e-004	0.0806	5.3000e-004	0.0811	0.0214	4.9000e-004	0.0219	0.0000	71.1051	71.1051	3.2800e-003	0.0000	71.1872

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	2.1860					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7100e-003	0.0848	0.1145	1.9000e-004		5.9400e-003	5.9400e-003		5.9400e-003	5.9400e-003	0.0000	15.9578	15.9578	1.3500e-003	0.0000	15.9915
Total	2.1897	0.0848	0.1145	1.9000e-004		5.9400e-003	5.9400e-003		5.9400e-003	5.9400e-003	0.0000	15.9578	15.9578	1.3500e-003	0.0000	15.9915

Vista Soleada Project - Salton Sea Air Basin, Annual

3.5 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0406	0.3999	7.9000e-004	0.0247	5.3000e-004	0.0252	7.6700e-003	4.9000e-004	8.1500e-003	0.0000	71.1051	71.1051	3.2800e-003	0.0000	71.1872
Total	0.0535	0.0406	0.3999	7.9000e-004	0.0247	5.3000e-004	0.0252	7.6700e-003	4.9000e-004	8.1500e-003	0.0000	71.1051	71.1051	3.2800e-003	0.0000	71.1872

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.5819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	4.6136	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124

Vista Soleada Project - Salton Sea Air Basin, Annual

3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1037	0.0769	0.7642	1.6000e-003	0.1690	1.0800e-003	0.1700	0.0449	1.0000e-003	0.0459	0.0000	144.2977	144.2977	6.2100e-003	0.0000	144.4529
Total	0.1037	0.0769	0.7642	1.6000e-003	0.1690	1.0800e-003	0.1700	0.0449	1.0000e-003	0.0459	0.0000	144.2977	144.2977	6.2100e-003	0.0000	144.4529

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	4.5819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	4.5897	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123

Vista Soleada Project - Salton Sea Air Basin, Annual

3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1037	0.0769	0.7642	1.6000e-003	0.0517	1.0800e-003	0.0528	0.0161	1.0000e-003	0.0171	0.0000	144.2977	144.2977	6.2100e-003	0.0000	144.4529
Total	0.1037	0.0769	0.7642	1.6000e-003	0.0517	1.0800e-003	0.0528	0.0161	1.0000e-003	0.0171	0.0000	144.2977	144.2977	6.2100e-003	0.0000	144.4529

3.5 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	4.1622					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0261	0.1817	0.2163	3.5000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	30.3837	30.3837	2.0900e-003	0.0000	30.4359
Total	4.1882	0.1817	0.2163	3.5000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	30.3837	30.3837	2.0900e-003	0.0000	30.4359

Vista Soleada Project - Salton Sea Air Basin, Annual

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0877	0.0634	0.6421	1.4000e-003	0.1535	9.6000e-004	0.1544	0.0407	8.8000e-004	0.0416	0.0000	126.6689	126.6689	5.1700e-003	0.0000	126.7982
Total	0.0877	0.0634	0.6421	1.4000e-003	0.1535	9.6000e-004	0.1544	0.0407	8.8000e-004	0.0416	0.0000	126.6689	126.6689	5.1700e-003	0.0000	126.7982

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	4.1622					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0700e-003	0.1615	0.2181	3.5000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	30.3837	30.3837	2.0900e-003	0.0000	30.4358
Total	4.1692	0.1615	0.2181	3.5000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	30.3837	30.3837	2.0900e-003	0.0000	30.4358

Vista Soleada Project - Salton Sea Air Basin, Annual

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0877	0.0634	0.6421	1.4000e-003	0.0470	9.6000e-004	0.0479	0.0146	8.8000e-004	0.0155	0.0000	126.6689	126.6689	5.1700e-003	0.0000	126.7982
Total	0.0877	0.0634	0.6421	1.4000e-003	0.0470	9.6000e-004	0.0479	0.0146	8.8000e-004	0.0155	0.0000	126.6689	126.6689	5.1700e-003	0.0000	126.7982

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0545	0.5717	0.5499	8.5000e-004		0.0309	0.0309		0.0285	0.0285	0.0000	76.7819	76.7819	0.0243	0.0000	77.3893
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0688	0.5717	0.5499	8.5000e-004		0.0309	0.0309		0.0285	0.0285	0.0000	76.7819	76.7819	0.0243	0.0000	77.3893

Vista Soleada Project - Salton Sea Air Basin, Annual

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0800e-003	2.3400e-003	0.0231	5.0000e-005	4.6500e-003	3.0000e-005	4.6800e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	4.1022	4.1022	1.9000e-004	0.0000	4.1070
Total	3.0800e-003	2.3400e-003	0.0231	5.0000e-005	4.6500e-003	3.0000e-005	4.6800e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	4.1022	4.1022	1.9000e-004	0.0000	4.1070

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	0.0210	0.4236	0.6486	8.5000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	76.7818	76.7818	0.0243	0.0000	77.3892
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0353	0.4236	0.6486	8.5000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	76.7818	76.7818	0.0243	0.0000	77.3892

Vista Soleada Project - Salton Sea Air Basin, Annual

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0800e-003	2.3400e-003	0.0231	5.0000e-005	1.4200e-003	3.0000e-005	1.4500e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	4.1022	4.1022	1.9000e-004	0.0000	4.1070
Total	3.0800e-003	2.3400e-003	0.0231	5.0000e-005	1.4200e-003	3.0000e-005	1.4500e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	4.1022	4.1022	1.9000e-004	0.0000	4.1070

3.7 Utility - 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	0.0374	0.2986	0.2703	4.3000e-004		0.0189	0.0189		0.0181	0.0181	0.0000	36.1789	36.1789	5.0500e-003	0.0000	36.3052
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0517	0.2986	0.2703	4.3000e-004		0.0189	0.0189		0.0181	0.0181	0.0000	36.1789	36.1789	5.0500e-003	0.0000	36.3052

Vista Soleada Project - Salton Sea Air Basin, Annual

3.7 Utility - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-003	1.4100e-003	0.0140	3.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.6479	2.6479	1.1000e-004	0.0000	2.6507
Total	1.9000e-003	1.4100e-003	0.0140	3.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.6479	2.6479	1.1000e-004	0.0000	2.6507

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	9.6400e-003	0.2065	0.2641	4.3000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	36.1789	36.1789	5.0500e-003	0.0000	36.3051
Paving	0.0143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0239	0.2065	0.2641	4.3000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	36.1789	36.1789	5.0500e-003	0.0000	36.3051

Vista Soleada Project - Salton Sea Air Basin, Annual

3.7 Utility - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-003	1.4100e-003	0.0140	3.0000e-005	9.5000e-004	2.0000e-005	9.7000e-004	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.6479	2.6479	1.1000e-004	0.0000	2.6507
Total	1.9000e-003	1.4100e-003	0.0140	3.0000e-005	9.5000e-004	2.0000e-005	9.7000e-004	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.6479	2.6479	1.1000e-004	0.0000	2.6507

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Vista Soleada Project - Salton Sea Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9976	2.6868	9.6662	0.0194	1.5914	0.0181	1.6096	0.4251	0.0170	0.4421	0.0000	1,767.0446	1,767.0446	0.1303	0.0000	1,770.3012
Unmitigated	0.9976	2.6868	9.6662	0.0194	1.5914	0.0181	1.6096	0.4251	0.0170	0.4421	0.0000	1,767.0446	1,767.0446	0.1303	0.0000	1,770.3012

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,884.96	1,962.18	1706.76	4,184,238	4,184,238
User Defined Recreational	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	1,884.96	1,962.18	1,706.76	4,184,238	4,184,238

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
User Defined Recreational	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
User Defined Retail	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Vista Soleada Project - Salton Sea Air Basin, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
User Defined Recreational	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
Single Family Housing	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
User Defined Retail	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	982.5204	982.5204	0.0224	4.6400e-003	984.4632
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	988.9396	988.9396	0.0226	4.6700e-003	990.8951
NaturalGas Mitigated	0.0265	0.2267	0.0965	1.4500e-003		0.0183	0.0183		0.0183	0.0183	0.0000	262.5202	262.5202	5.0300e-003	4.8100e-003	264.0802
NaturalGas Unmitigated	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423

Vista Soleada Project - Salton Sea Air Basin, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.64152e+006	0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0304	0.2600	0.1106	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	301.0533	301.0533	5.7700e-003	5.5200e-003	302.8423

Vista Soleada Project - Salton Sea Air Basin, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.91944e+006	0.0265	0.2267	0.0965	1.4500e-003		0.0183	0.0183		0.0183	0.0183	0.0000	262.5202	262.5202	5.0300e-003	4.8100e-003	264.0802
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0265	0.2267	0.0965	1.4500e-003		0.0183	0.0183		0.0183	0.0183	0.0000	262.5202	262.5202	5.0300e-003	4.8100e-003	264.0802

Vista Soleada Project - Salton Sea Air Basin, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.71551e+006	988.9396	0.0226	4.6700e-003	990.8951
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		988.9396	0.0226	4.6700e-003	990.8951

Vista Soleada Project - Salton Sea Air Basin, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.70437e+006	982.5204	0.0224	4.6400e-003	984.4632
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		982.5204	0.0224	4.6400e-003	984.4632

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 only Natural Gas Hearths

Use Low VOC Cleaning Supplies

Vista Soleada Project - Salton Sea Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.9272	0.0207	1.4770	1.0000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	6.5853	6.5853	2.4200e-003	8.0000e-005	6.6688
Unmitigated	7.3925	0.0207	1.4770	1.0000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	6.5853	6.5853	2.4200e-003	8.0000e-005	6.6688

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	1.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.2541					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.2000e-004	3.6100e-003	1.5400e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	4.1831	4.1831	8.0000e-005	8.0000e-005	4.2080
Landscaping	0.0450	0.0171	1.4754	8.0000e-005		8.1100e-003	8.1100e-003		8.1100e-003	8.1100e-003	0.0000	2.4022	2.4022	2.3400e-003	0.0000	2.4608
Total	7.3925	0.0207	1.4770	1.0000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	6.5853	6.5853	2.4200e-003	8.0000e-005	6.6688

Vista Soleada Project - Salton Sea Air Basin, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.7888					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.2000e-004	3.6100e-003	1.5400e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	4.1831	4.1831	8.0000e-005	8.0000e-005	4.2080
Landscaping	0.0450	0.0171	1.4754	8.0000e-005		8.1100e-003	8.1100e-003		8.1100e-003	8.1100e-003	0.0000	2.4022	2.4022	2.3400e-003	0.0000	2.4608
Total	6.9272	0.0207	1.4770	1.0000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	6.5853	6.5853	2.4200e-003	8.0000e-005	6.6688

7.0 Water Detail

7.1 Mitigation Measures Water

- Apply Water Conservation Strategy
- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

Vista Soleada Project - Salton Sea Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	122.4118	0.3390	8.5000e-003	133.4209
Unmitigated	153.0148	0.4238	0.0106	166.7762

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	12.9005 / 8.13292	153.0148	0.4238	0.0106	166.7762
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		153.0148	0.4238	0.0106	166.7762

Vista Soleada Project - Salton Sea Air Basin, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	10.3204 / 6.50634	122.4118	0.3390	8.5000e-003	133.4209
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		122.4118	0.3390	8.5000e-003	133.4209

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Vista Soleada Project - Salton Sea Air Basin, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.9795	0.9444	0.0000	39.5884
Unmitigated	53.2648	3.1479	0.0000	131.9614

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	262.4	53.2648	3.1479	0.0000	131.9614
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		53.2648	3.1479	0.0000	131.9614

Vista Soleada Project - Salton Sea Air Basin, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	78.72	15.9795	0.9444	0.0000	39.5884
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		15.9795	0.9444	0.0000	39.5884

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Vista Soleada Project - Salton Sea Air Basin, Annual

Equipment Type	Number
----------------	--------

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-39.3990	0.0000	0.0000	-39.3990

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	80.9 / 0	-501.5800	0.0000	0.0000	-501.5800
Grassland	0 / 25.1	108.1810	0.0000	0.0000	108.1810
Total		-393.3990	0.0000	0.0000	-393.3990

Vista Soleada Project - Salton Sea Air Basin, Annual

11.2 Net New Trees**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	500	354.0000	0.0000	0.0000	354.0000
Total		354.0000	0.0000	0.0000	354.0000

Vista Soleada Project - Salton Sea Air Basin, Summer

Vista Soleada Project
Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.90	Acre	10.90	474,804.00	0
User Defined Recreational	26.60	User Defined Unit	26.60	1,158,696.00	0
Single Family Housing	198.00	Dwelling Unit	41.60	356,400.00	640
User Defined Retail	1.80	User Defined Unit	1.80	78,408.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	13			Operational Year	2020
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Vista Soleada Project - Salton Sea Air Basin, Summer

Project Characteristics -

Land Use - Based on land uses

Construction Phase - Based on construction schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Bsed on construction assumption

Grading - 80.9 acre site

On-road Fugitive Dust - Paved roads

Road Dust - Paved roads

Woodstoves - No woodstoves

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Dust Control

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Vista Soleada Project - Salton Sea Air Basin, Summer

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	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
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	110.00	625.00
tblConstructionPhase	NumDays	1,550.00	749.00
tblConstructionPhase	NumDays	110.00	75.00

Vista Soleada Project - Salton Sea Air Basin, Summer

tblConstructionPhase	NumDays	110.00	75.00
tblConstructionPhase	PhaseEndDate	1/1/2018	11/30/2021
tblConstructionPhase	PhaseEndDate	1/1/2018	9/10/2021
tblConstructionPhase	PhaseEndDate	1/1/2018	10/29/2018
tblConstructionPhase	PhaseEndDate	1/1/2018	12/24/2019
tblConstructionPhase	PhaseEndDate	1/1/2018	3/26/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	7/10/2019
tblConstructionPhase	PhaseStartDate	1/2/2018	10/30/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	3/27/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	9/11/2019
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	387.50	80.90
tblLandUse	BuildingSpaceSquareFeet	0.00	1,158,696.00
tblLandUse	BuildingSpaceSquareFeet	0.00	78,408.00
tblLandUse	LandUseSquareFeet	0.00	1,158,696.00
tblLandUse	LandUseSquareFeet	0.00	78,408.00
tblLandUse	LotAcreage	64.29	41.60
tblLandUse	LotAcreage	0.00	26.60
tblLandUse	LotAcreage	0.00	1.80
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType	Rollers	Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

Vista Soleada Project - Salton Sea Air Basin, Summer

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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblRoadDust	RoadPercentPave	50	100
tblSequestration	NumberOfNewTrees	0.00	500.00

2.0 Emissions Summary

Vista Soleada Project - Salton Sea Air Basin, Summer

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					
2018	8.9733	59.6137	67.8883	0.1663	18.2169	2.6348	20.7948	9.9706	2.4241	12.3423	0.0000	16,826.30 36	16,826.30 36	1.9535	0.0000	16,864.80 22
2019	46.3193	68.6630	88.0161	0.2045	9.4902	2.2664	11.7565	2.5519	2.1286	4.6805	0.0000	20,587.68 72	20,587.68 72	2.2754	0.0000	20,644.57 18
2020	44.9938	56.9398	75.0913	0.1895	9.4483	1.7245	11.1728	2.5408	1.6434	4.1842	0.0000	18,992.77 80	18,992.77 80	1.6087	0.0000	19,032.99 46
2021	42.8358	44.7881	63.2935	0.1739	9.3646	0.9766	10.3412	2.5186	0.9271	3.4457	0.0000	17,530.46 10	17,530.46 10	1.3756	0.0000	17,564.85 20
Maximum	46.3193	68.6630	88.0161	0.2045	18.2169	2.6348	20.7948	9.9706	2.4241	12.3423	0.0000	20,587.68 72	20,587.68 72	2.2754	0.0000	20,644.57 18

Vista Soleada Project - Salton Sea Air Basin, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9543	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.1114	2,174.1114	0.0698	0.0393	2,187.5738
Energy	0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860
Mobile	7.3566	15.1907	65.9797	0.1213	9.2818	0.1043	9.3861	2.4769	0.0979	2.5748		12,157.4965	12,157.4965	0.8712		12,179.2760
Total	48.4775	18.4847	83.6944	0.1420	9.2818	0.4455	9.7272	2.4769	0.4391	2.9159	0.0000	16,149.9882	16,149.9882	0.9758	0.0727	16,196.0359

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	47.8058	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.1114	2,174.1114	0.0698	0.0393	2,187.5738
Energy	0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607
Mobile	7.3566	15.1907	65.9797	0.1213	9.2818	0.1043	9.3861	2.4769	0.0979	2.5748		12,157.4965	12,157.4965	0.8712		12,179.2760
Total	55.3077	18.3024	83.6168	0.1408	9.2818	0.4307	9.7125	2.4769	0.4243	2.9012	0.0000	15,917.2459	15,917.2459	0.9714	0.0684	15,961.9106

Vista Soleada Project - Salton Sea Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-14.09	0.99	0.09	0.82	0.00	3.31	0.15	0.00	3.36	0.51	0.00	1.44	1.44	0.46	5.88	1.45

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2018	3/26/2018	5	60	
2	Grading	Grading	3/27/2018	10/29/2018	5	155	
3	Building Construction	Building Construction	10/30/2018	9/10/2021	5	749	
4	Architectural Coating	Architectural Coating	7/10/2019	11/30/2021	5	625	
5	Paving	Paving	9/11/2019	12/24/2019	5	75	
6	Utility	Paving	9/11/2020	12/24/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 80.9

Acres of Paving: 10.9

Residential Indoor: 721,710; Residential Outdoor: 240,570; Non-Residential Indoor: 1,855,656; Non-Residential Outdoor: 618,552; Striped Parking Area: 28,488 (Architectural Coating – sqft)

OffRoad Equipment

Vista Soleada Project - Salton Sea Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Utility	Signal Boards	1	8.00	6	0.82
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Utility	Generator Sets	1	8.00	84	0.74
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45
Utility	Trenchers	1	7.00	78	0.50
Utility	Welders	1	4.00	46	0.45

Trips and VMT

Vista Soleada Project - Salton Sea Air Basin, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	156.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	782.00	302.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Utility	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	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
Site Preparation	7	18.00	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

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

Vista Soleada Project - Salton Sea Air Basin, Summer

3.2 Site Preparation - 2018

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	0.1289	0.0827	1.0160	1.6700e-003	0.1506	9.9000e-004	0.1516	0.0400	9.1000e-004	0.0409		165.1197	165.1197	8.5400e-003		165.3333
Total	0.1289	0.0827	1.0160	1.6700e-003	0.1506	9.9000e-004	0.1516	0.0400	9.1000e-004	0.0409		165.1197	165.1197	8.5400e-003		165.3333

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	0.9312	19.0656	22.9600	0.0380	6.6936	0.9462	7.6397	3.6793	0.9462	4.6255	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Vista Soleada Project - Salton Sea Air Basin, Summer

3.2 Site Preparation - 2018

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	0.1289	0.0827	1.0160	1.6700e-003	0.0459	9.9000e-004	0.0469	0.0142	9.1000e-004	0.0152		165.1197	165.1197	8.5400e-003		165.3333
Total	0.1289	0.0827	1.0160	1.6700e-003	0.0459	9.9000e-004	0.0469	0.0142	9.1000e-004	0.0152		165.1197	165.1197	8.5400e-003		165.3333

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5756	0.0000	6.5756	3.3700	0.0000	3.3700			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	6.5756	2.6337	9.2093	3.3700	2.4230	5.7930		6,244.4284	6,244.4284	1.9440		6,293.0278

Vista Soleada Project - Salton Sea Air Basin, Summer

3.3 Grading - 2018

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	0.1432	0.0919	1.1289	1.8500e-003	0.1673	1.1000e-003	0.1684	0.0444	1.0100e-003	0.0454		183.4664	183.4664	9.4900e-003		183.7036
Total	0.1432	0.0919	1.1289	1.8500e-003	0.1673	1.1000e-003	0.1684	0.0444	1.0100e-003	0.0454		183.4664	183.4664	9.4900e-003		183.7036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4363	0.0000	2.4363	1.2486	0.0000	1.2486			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	1.5231	29.9782	36.7226	0.0620	2.4363	1.2994	3.7357	1.2486	1.2994	2.5480	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

Vista Soleada Project - Salton Sea Air Basin, Summer

3.3 Grading - 2018

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	0.1432	0.0919	1.1289	1.8500e-003	0.0510	1.1000e-003	0.0521	0.0158	1.0100e-003	0.0168		183.4664	183.4664	9.4900e-003		183.7036
Total	0.1432	0.0919	1.1289	1.8500e-003	0.0510	1.1000e-003	0.0521	0.0158	1.0100e-003	0.0168		183.4664	183.4664	9.4900e-003		183.7036

3.4 Building Construction - 2018

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	2.1801	17.4218	15.3738	0.0219		1.2416	1.2416		1.1723	1.1723		2,112.9119	2,112.9119	0.4840		2,125.0112
Total	2.1801	17.4218	15.3738	0.0219		1.2416	1.2416		1.1723	1.1723		2,112.9119	2,112.9119	0.4840		2,125.0112

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2018

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	1.1952	33.8153	8.3738	0.0721	1.5167	0.2288	1.7455	0.4370	0.2189	0.6559		7,539.856 1	7,539.856 1	0.6849		7,556.979 4
Worker	5.5980	3.5937	44.1408	0.0723	6.5428	0.0430	6.5858	1.7354	0.0396	1.7751		7,173.535 5	7,173.535 5	0.3710		7,182.811 6
Total	6.7932	37.4090	52.5145	0.1444	8.0595	0.2718	8.3313	2.1724	0.2585	2.4309		14,713.39 16	14,713.39 16	1.0560		14,739.79 10

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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,112.911 9	2,112.911 9	0.4840		2,125.011 2
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,112.911 9	2,112.911 9	0.4840		2,125.011 2

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2018

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	1.1952	33.8153	8.3738	0.0721	0.6543	0.2288	0.8831	0.2253	0.2189	0.4442		7,539.8561	7,539.8561	0.6849			7,556.9794
Worker	5.5980	3.5937	44.1408	0.0723	1.9936	0.0430	2.0366	0.6188	0.0396	0.6585		7,173.5355	7,173.5355	0.3710			7,182.8116
Total	6.7932	37.4090	52.5145	0.1444	2.6479	0.2718	2.9197	0.8441	0.2585	1.1026		14,713.3916	14,713.3916	1.0560			14,739.7910

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732			2,103.6009
Total	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732			2,103.6009

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0789	31.8338	7.4939	0.0715	1.5167	0.1943	1.7110	0.4370	0.1859	0.6229		7,485.397 2	7,485.397 2	0.6531		7,501.725 2
Worker	5.1223	3.2225	40.0917	0.0701	6.5428	0.0424	6.5851	1.7354	0.0390	1.7745		6,951.896 8	6,951.896 8	0.3374		6,960.332 2
Total	6.2012	35.0562	47.5857	0.1416	8.0595	0.2367	8.2961	2.1724	0.2249	2.3973		14,437.29 40	14,437.29 40	0.9905		14,462.05 74

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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,091.770 9	2,091.770 9	0.4732		2,103.600 9
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,091.770 9	2,091.770 9	0.4732		2,103.600 9

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0789	31.8338	7.4939	0.0715	0.6543	0.1943	0.8486	0.2253	0.1859	0.4112		7,485.397 2	7,485.397 2	0.6531		7,501.725 2
Worker	5.1223	3.2225	40.0917	0.0701	1.9936	0.0424	2.0360	0.6188	0.0390	0.6579		6,951.896 8	6,951.896 8	0.3374		6,960.332 2
Total	6.2012	35.0562	47.5857	0.1416	2.6479	0.2367	2.8846	0.8441	0.2249	1.0690		14,437.29 40	14,437.29 40	0.9905		14,462.05 74

3.4 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	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.122 1	2,064.122 1	0.4647		2,075.740 2
Total	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.122 1	2,064.122 1	0.4647		2,075.740 2

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9413	29.2954	6.7034	0.0709	1.5167	0.1372	1.6539	0.4370	0.1313	0.5682		7,423.867 6	7,423.867 6	0.6048		7,438.986 7
Worker	4.7296	2.9118	36.5846	0.0678	6.5428	0.0413	6.5841	1.7354	0.0381	1.7735		6,731.026 1	6,731.026 1	0.3043		6,738.633 7
Total	5.6709	32.2072	43.2880	0.1387	8.0594	0.1786	8.2380	2.1724	0.1693	2.3417		14,154.89 37	14,154.89 37	0.9091		14,177.62 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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.122 1	2,064.122 1	0.4647		2,075.740 2
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.122 1	2,064.122 1	0.4647		2,075.740 2

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9413	29.2954	6.7034	0.0709	0.6542	0.1372	0.7915	0.2253	0.1313	0.3565		7,423.867 6	7,423.867 6	0.6048		7,438.986 7
Worker	4.7296	2.9118	36.5846	0.0678	1.9936	0.0413	2.0350	0.6188	0.0381	0.6569		6,731.026 1	6,731.026 1	0.3043		6,738.633 7
Total	5.6709	32.2072	43.2880	0.1387	2.6479	0.1786	2.8264	0.8441	0.1693	1.0134		14,154.89 37	14,154.89 37	0.9091		14,177.62 04

3.4 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	1.5396	13.1889	14.8402	0.0219		0.7864	0.7864		0.7428	0.7428		2,064.467 5	2,064.467 5	0.4579		2,075.914 9
Total	1.5396	13.1889	14.8402	0.0219		0.7864	0.7864		0.7428	0.7428		2,064.467 5	2,064.467 5	0.4579		2,075.914 9

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8289	26.9004	6.0048	0.0705	1.5166	0.0478	1.5644	0.4370	0.0457	0.4826		7,382.387 7	7,382.387 7	0.5645		7,396.501 3
Worker	4.3953	2.6444	33.8735	0.0655	6.5428	0.0403	6.5831	1.7354	0.0371	1.7726		6,504.570 8	6,504.570 8	0.2784		6,511.529 7
Total	5.2242	29.5448	39.8784	0.1360	8.0594	0.0881	8.1475	2.1724	0.0828	2.2552		13,886.95 85	13,886.95 85	0.8429		13,908.03 10

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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.467 5	2,064.467 5	0.4579		2,075.914 9
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.467 5	2,064.467 5	0.4579		2,075.914 9

Vista Soleada Project - Salton Sea Air Basin, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8289	26.9004	6.0048	0.0705	0.6542	0.0478	0.7019	0.2253	0.0457	0.2709		7,382.3877	7,382.3877	0.5645		7,396.5013
Worker	4.3953	2.6444	33.8735	0.0655	1.9936	0.0403	2.0340	0.6188	0.0371	0.6560		6,504.5708	6,504.5708	0.2784		6,511.5297
Total	5.2242	29.5448	39.8784	0.1360	2.6478	0.0881	2.7359	0.8441	0.0828	0.9269		13,886.9585	13,886.9585	0.8429		13,908.0310

3.5 Architectural Coating - 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					
Archit. Coating	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	35.2427	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Vista Soleada Project - Salton Sea Air Basin, Summer

3.5 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0218	0.6428	7.9978	0.0140	1.3052	8.4500e-003	1.3137	0.3462	7.7900e-003	0.3540		1,386.8234	1,386.8234	0.0673		1,388.5062
Total	1.0218	0.6428	7.9978	0.0140	1.3052	8.4500e-003	1.3137	0.3462	7.7900e-003	0.3540		1,386.8234	1,386.8234	0.0673		1,388.5062

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	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423
Total	35.0357	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423

Vista Soleada Project - Salton Sea Air Basin, Summer

3.5 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0218	0.6428	7.9978	0.0140	0.3977	8.4500e-003	0.4062	0.1235	7.7900e-003	0.1312		1,386.8234	1,386.8234	0.0673		1,388.5062
Total	1.0218	0.6428	7.9978	0.0140	0.3977	8.4500e-003	0.4062	0.1235	7.7900e-003	0.1312		1,386.8234	1,386.8234	0.0673		1,388.5062

3.5 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	34.9763					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	35.2184	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Vista Soleada Project - Salton Sea Air Basin, Summer

3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9435	0.5809	7.2982	0.0135	1.3052	8.2500e-003	1.3135	0.3462	7.6000e-003	0.3538		1,342.7622	1,342.7622	0.0607		1,344.2799
Total	0.9435	0.5809	7.2982	0.0135	1.3052	8.2500e-003	1.3135	0.3462	7.6000e-003	0.3538		1,342.7622	1,342.7622	0.0607		1,344.2799

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	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928
Total	35.0357	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

Vista Soleada Project - Salton Sea Air Basin, Summer

3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9435	0.5809	7.2982	0.0135	0.3977	8.2500e-003	0.4060	0.1235	7.6000e-003	0.1310		1,342.7622	1,342.7622	0.0607		1,344.2799
Total	0.9435	0.5809	7.2982	0.0135	0.3977	8.2500e-003	0.4060	0.1235	7.6000e-003	0.1310		1,342.7622	1,342.7622	0.0607		1,344.2799

3.5 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	34.9763					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	35.1952	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Vista Soleada Project - Salton Sea Air Basin, Summer

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8768	0.5275	6.7574	0.0131	1.3052	8.0400e-003	1.3133	0.3462	7.4100e-003	0.3536		1,297.5870	1,297.5870	0.0555		1,298.9752
Total	0.8768	0.5275	6.7574	0.0131	1.3052	8.0400e-003	1.3133	0.3462	7.4100e-003	0.3536		1,297.5870	1,297.5870	0.0555		1,298.9752

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	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	35.0357	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309

Vista Soleada Project - Salton Sea Air Basin, Summer

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8768	0.5275	6.7574	0.0131	0.3977	8.0400e-003	0.4058	0.1235	7.4100e-003	0.1309		1,297.5870	1,297.5870	0.0555		1,298.9752
Total	0.8768	0.5275	6.7574	0.0131	0.3977	8.0400e-003	0.4058	0.1235	7.4100e-003	0.1309		1,297.5870	1,297.5870	0.0555		1,298.9752

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8352	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Vista Soleada Project - Salton Sea Air Basin, Summer

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0618	0.7690	1.3400e-003	0.1255	8.1000e-004	0.1263	0.0333	7.5000e-004	0.0340		133.3484	133.3484	6.4700e-003		133.5102
Total	0.0983	0.0618	0.7690	1.3400e-003	0.1255	8.1000e-004	0.1263	0.0333	7.5000e-004	0.0340		133.3484	133.3484	6.4700e-003		133.5102

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		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9417	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Vista Soleada Project - Salton Sea Air Basin, Summer

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0618	0.7690	1.3400e-003	0.0382	8.1000e-004	0.0391	0.0119	7.5000e-004	0.0126		133.3484	133.3484	6.4700e-003		133.5102
Total	0.0983	0.0618	0.7690	1.3400e-003	0.0382	8.1000e-004	0.0391	0.0119	7.5000e-004	0.0126		133.3484	133.3484	6.4700e-003		133.5102

3.7 Utility - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9966	7.9623	7.2084	0.0115		0.5036	0.5036		0.4836	0.4836		1,063.4774	1,063.4774	0.1485		1,067.1894
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3773	7.9623	7.2084	0.0115		0.5036	0.5036		0.4836	0.4836		1,063.4774	1,063.4774	0.1485		1,067.1894

Vista Soleada Project - Salton Sea Air Basin, Summer

3.7 Utility - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0605	0.0372	0.4678	8.7000e-004	0.0837	5.3000e-004	0.0842	0.0222	4.9000e-004	0.0227		86.0745	86.0745	3.8900e-003		86.1718
Total	0.0605	0.0372	0.4678	8.7000e-004	0.0837	5.3000e-004	0.0842	0.0222	4.9000e-004	0.0227		86.0745	86.0745	3.8900e-003		86.1718

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	0.2571	5.5064	7.0428	0.0115		0.3777	0.3777		0.3777	0.3777	0.0000	1,063.4774	1,063.4774	0.1485		1,067.1894
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6379	5.5064	7.0428	0.0115		0.3777	0.3777		0.3777	0.3777	0.0000	1,063.4774	1,063.4774	0.1485		1,067.1894

Vista Soleada Project - Salton Sea Air Basin, Summer

3.7 Utility - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0605	0.0372	0.4678	8.7000e-004	0.0255	5.3000e-004	0.0260	7.9100e-003	4.9000e-004	8.4000e-003		86.0745	86.0745	3.8900e-003		86.1718
Total	0.0605	0.0372	0.4678	8.7000e-004	0.0255	5.3000e-004	0.0260	7.9100e-003	4.9000e-004	8.4000e-003		86.0745	86.0745	3.8900e-003		86.1718

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Vista Soleada Project - Salton Sea Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.3566	15.1907	65.9797	0.1213	9.2818	0.1043	9.3861	2.4769	0.0979	2.5748		12,157.49 65	12,157.49 65	0.8712		12,179.27 60
Unmitigated	7.3566	15.1907	65.9797	0.1213	9.2818	0.1043	9.3861	2.4769	0.0979	2.5748		12,157.49 65	12,157.49 65	0.8712		12,179.27 60

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,884.96	1,962.18	1,706.76	4,184,238	4,184,238
User Defined Recreational	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	1,884.96	1,962.18	1,706.76	4,184,238	4,184,238

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
User Defined Recreational	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
User Defined Retail	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Vista Soleada Project - Salton Sea Air Basin, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
User Defined Recreational	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
Single Family Housing	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
User Defined Retail	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607
NaturalGas Unmitigated	0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860

Vista Soleada Project - Salton Sea Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	15456.2	0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860

Vista Soleada Project - Salton Sea Air Basin, Summer

5.2 Energy by Land Use - Natural Gas

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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.4779	0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607

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 only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

Vista Soleada Project - Salton Sea Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	47.8058	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.111 4	2,174.111 4	0.0698	0.0393	2,187.573 8
Unmitigated	40.9543	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.111 4	2,174.111 4	0.0698	0.0393	2,187.573 8

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	5.9891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.2692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1966	1.6800	0.7149	0.0107		0.1358	0.1358		0.1358	0.1358	0.0000	2,144.689 4	2,144.689 4	0.0411	0.0393	2,157.434 2
Landscaping	0.4995	0.1896	16.3936	8.6000e-004		0.0901	0.0901		0.0901	0.0901		29.4220	29.4220	0.0287		30.1396
Total	40.9543	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.111 4	2,174.111 4	0.0698	0.0393	2,187.573 8

Vista Soleada Project - Salton Sea Air Basin, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.9891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.1207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1966	1.6800	0.7149	0.0107		0.1358	0.1358		0.1358	0.1358	0.0000	2,144.6894	2,144.6894	0.0411	0.0393	2,157.4342
Landscaping	0.4995	0.1896	16.3936	8.6000e-004		0.0901	0.0901		0.0901	0.0901		29.4220	29.4220	0.0287		30.1396
Total	47.8058	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.1114	2,174.1114	0.0698	0.0393	2,187.5738

7.0 Water Detail

7.1 Mitigation Measures Water

- Apply Water Conservation Strategy
- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

8.0 Waste Detail

Vista Soleada Project - Salton Sea Air Basin, Summer

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Vista Soleada Project - Salton Sea Air Basin, Winter

Vista Soleada Project
Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.90	Acre	10.90	474,804.00	0
User Defined Recreational	26.60	User Defined Unit	26.60	1,158,696.00	0
Single Family Housing	198.00	Dwelling Unit	41.60	356,400.00	640
User Defined Retail	1.80	User Defined Unit	1.80	78,408.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	13			Operational Year	2020
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Vista Soleada Project - Salton Sea Air Basin, Winter

Project Characteristics -

Land Use - Based on land uses

Construction Phase - Based on construction schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Bsed on construction assumption

Grading - 80.9 acre site

On-road Fugitive Dust - Paved roads

Road Dust - Paved roads

Woodstoves - No woodstoves

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Dust Control

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Vista Soleada Project - Salton Sea Air Basin, Winter

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	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
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	110.00	625.00
tblConstructionPhase	NumDays	1,550.00	749.00
tblConstructionPhase	NumDays	110.00	75.00

Vista Soleada Project - Salton Sea Air Basin, Winter

tblConstructionPhase	NumDays	110.00	75.00
tblConstructionPhase	PhaseEndDate	1/1/2018	11/30/2021
tblConstructionPhase	PhaseEndDate	1/1/2018	9/10/2021
tblConstructionPhase	PhaseEndDate	1/1/2018	10/29/2018
tblConstructionPhase	PhaseEndDate	1/1/2018	12/24/2019
tblConstructionPhase	PhaseEndDate	1/1/2018	3/26/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	7/10/2019
tblConstructionPhase	PhaseStartDate	1/2/2018	10/30/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	3/27/2018
tblConstructionPhase	PhaseStartDate	1/2/2018	9/11/2019
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	387.50	80.90
tblLandUse	BuildingSpaceSquareFeet	0.00	1,158,696.00
tblLandUse	BuildingSpaceSquareFeet	0.00	78,408.00
tblLandUse	LandUseSquareFeet	0.00	1,158,696.00
tblLandUse	LandUseSquareFeet	0.00	78,408.00
tblLandUse	LotAcreage	64.29	41.60
tblLandUse	LotAcreage	0.00	26.60
tblLandUse	LotAcreage	0.00	1.80
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Signal Boards
tblOffRoadEquipment	OffRoadEquipmentType	Rollers	Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

Vista Soleada Project - Salton Sea Air Basin, Winter

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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblRoadDust	RoadPercentPave	50	100
tblSequestration	NumberOfNewTrees	0.00	500.00

2.0 Emissions Summary

Vista Soleada Project - Salton Sea Air Basin, Winter

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					
2018	8.0182	59.6168	56.9612	0.1511	18.2169	2.6348	20.7948	9.9706	2.4241	12.3423	0.0000	15,303.19 44	15,303.19 44	1.9515	0.0000	15,341.79 76
2019	45.2546	68.7807	75.5824	0.1872	9.4902	2.2700	11.7602	2.5519	2.1320	4.6839	0.0000	18,858.71 76	18,858.71 76	2.2683	0.0000	18,915.42 43
2020	44.0330	56.9296	63.7631	0.1727	9.4483	1.7272	11.1755	2.5408	1.6460	4.1868	0.0000	17,315.56 65	17,315.56 65	1.6059	0.0000	17,355.71 39
2021	41.9717	44.6602	52.8569	0.1577	9.3646	0.9789	10.3435	2.5186	0.9293	3.4479	0.0000	15,912.22 43	15,912.22 43	1.3768	0.0000	15,946.64 41
Maximum	45.2546	68.7807	75.5824	0.1872	18.2169	2.6348	20.7948	9.9706	2.4241	12.3423	0.0000	18,858.71 76	18,858.71 76	2.2683	0.0000	18,915.42 43

Vista Soleada Project - Salton Sea Air Basin, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9543	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.1114	2,174.1114	0.0698	0.0393	2,187.5738
Energy	0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860
Mobile	5.0702	15.5722	53.1760	0.1055	9.2818	0.1051	9.3869	2.4769	0.0987	2.5755		10,592.2895	10,592.2895	0.8263		10,612.9462
Total	46.1912	18.8662	70.8906	0.1262	9.2818	0.4462	9.7280	2.4769	0.4398	2.9167	0.0000	14,584.7812	14,584.7812	0.9309	0.0727	14,629.7060

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	47.8058	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.1114	2,174.1114	0.0698	0.0393	2,187.5738
Energy	0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607
Mobile	5.0702	15.5722	53.1760	0.1055	9.2818	0.1051	9.3869	2.4769	0.0987	2.5755		10,592.2895	10,592.2895	0.8263		10,612.9462
Total	53.0214	18.6839	70.8131	0.1250	9.2818	0.4315	9.7132	2.4769	0.4251	2.9019	0.0000	14,352.0390	14,352.0390	0.9265	0.0684	14,395.5807

Vista Soleada Project - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-14.79	0.97	0.11	0.92	0.00	3.30	0.15	0.00	3.35	0.51	0.00	1.60	1.60	0.48	5.88	1.60

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2018	3/26/2018	5	60	
2	Grading	Grading	3/27/2018	10/29/2018	5	155	
3	Building Construction	Building Construction	10/30/2018	9/10/2021	5	749	
4	Architectural Coating	Architectural Coating	7/10/2019	11/30/2021	5	625	
5	Paving	Paving	9/11/2019	12/24/2019	5	75	
6	Utility	Paving	9/11/2020	12/24/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 80.9

Acres of Paving: 10.9

Residential Indoor: 721,710; Residential Outdoor: 240,570; Non-Residential Indoor: 1,855,656; Non-Residential Outdoor: 618,552; Striped Parking Area: 28,488 (Architectural Coating – sqft)

OffRoad Equipment

Vista Soleada Project - Salton Sea Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Utility	Signal Boards	1	8.00	6	0.82
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Utility	Generator Sets	1	8.00	84	0.74
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45
Utility	Trenchers	1	7.00	78	0.50
Utility	Welders	1	4.00	46	0.45

Trips and VMT

Vista Soleada Project - Salton Sea Air Basin, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	156.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	782.00	302.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Utility	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	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
Site Preparation	7	18.00	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

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

Vista Soleada Project - Salton Sea Air Basin, Winter

3.2 Site Preparation - 2018

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	0.1056	0.0855	0.7323	1.4000e-003	0.1506	9.9000e-004	0.1516	0.0400	9.1000e-004	0.0409		138.7691	138.7691	6.7700e-003		138.9383
Total	0.1056	0.0855	0.7323	1.4000e-003	0.1506	9.9000e-004	0.1516	0.0400	9.1000e-004	0.0409		138.7691	138.7691	6.7700e-003		138.9383

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	0.9312	19.0656	22.9600	0.0380	6.6936	0.9462	7.6397	3.6793	0.9462	4.6255	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Vista Soleada Project - Salton Sea Air Basin, Winter

3.2 Site Preparation - 2018

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	0.1056	0.0855	0.7323	1.4000e-003	0.0459	9.9000e-004	0.0469	0.0142	9.1000e-004	0.0152		138.7691	138.7691	6.7700e-003		138.9383
Total	0.1056	0.0855	0.7323	1.4000e-003	0.0459	9.9000e-004	0.0469	0.0142	9.1000e-004	0.0152		138.7691	138.7691	6.7700e-003		138.9383

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5756	0.0000	6.5756	3.3700	0.0000	3.3700			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	6.5756	2.6337	9.2093	3.3700	2.4230	5.7930		6,244.4284	6,244.4284	1.9440		6,293.0278

Vista Soleada Project - Salton Sea Air Basin, Winter

3.3 Grading - 2018

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	0.1174	0.0950	0.8137	1.5500e-003	0.1673	1.1000e-003	0.1684	0.0444	1.0100e-003	0.0454		154.1879	154.1879	7.5200e-003		154.3759
Total	0.1174	0.0950	0.8137	1.5500e-003	0.1673	1.1000e-003	0.1684	0.0444	1.0100e-003	0.0454		154.1879	154.1879	7.5200e-003		154.3759

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4363	0.0000	2.4363	1.2486	0.0000	1.2486			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	1.5231	29.9782	36.7226	0.0620	2.4363	1.2994	3.7357	1.2486	1.2994	2.5480	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

Vista Soleada Project - Salton Sea Air Basin, Winter

3.3 Grading - 2018

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	0.1174	0.0950	0.8137	1.5500e-003	0.0510	1.1000e-003	0.0521	0.0158	1.0100e-003	0.0168		154.1879	154.1879	7.5200e-003		154.3759
Total	0.1174	0.0950	0.8137	1.5500e-003	0.0510	1.1000e-003	0.0521	0.0158	1.0100e-003	0.0168		154.1879	154.1879	7.5200e-003		154.3759

3.4 Building Construction - 2018

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	2.1801	17.4218	15.3738	0.0219		1.2416	1.2416		1.1723	1.1723		2,112.9119	2,112.9119	0.4840		2,125.0112
Total	2.1801	17.4218	15.3738	0.0219		1.2416	1.2416		1.1723	1.1723		2,112.9119	2,112.9119	0.4840		2,125.0112

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2018

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	1.2490	33.8802	9.7717	0.0685	1.5167	0.2329	1.7496	0.4370	0.2228	0.6598		7,161.5357	7,161.5357	0.7661		7,180.6879
Worker	4.5891	3.7153	31.8157	0.0607	6.5428	0.0430	6.5858	1.7354	0.0396	1.7751		6,028.7467	6,028.7467	0.2941		6,036.0985
Total	5.8381	37.5955	41.5874	0.1292	8.0595	0.2758	8.3353	2.1724	0.2624	2.4348		13,190.2824	13,190.2824	1.0602		13,216.7864

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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,112.9119	2,112.9119	0.4840		2,125.0112
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,112.9119	2,112.9119	0.4840		2,125.0112

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2018

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	1.2490	33.8802	9.7717	0.0685	0.6543	0.2329	0.8872	0.2253	0.2228	0.4481		7,161.5357	7,161.5357	0.7661		7,180.6879
Worker	4.5891	3.7153	31.8157	0.0607	1.9936	0.0430	2.0366	0.6188	0.0396	0.6585		6,028.7467	6,028.7467	0.2941		6,036.0985
Total	5.8381	37.5955	41.5874	0.1292	2.6479	0.2758	2.9238	0.8441	0.2624	1.1065		13,190.2824	13,190.2824	1.0602		13,216.7864

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732		2,103.6009
Total	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732		2,103.6009

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1312	31.8262	8.8462	0.0680	1.5167	0.1980	1.7147	0.4370	0.1894	0.6263		7,109.6225	7,109.6225	0.7322		7,127.9279
Worker	4.2057	3.3253	28.7795	0.0588	6.5428	0.0424	6.5851	1.7354	0.0390	1.7745		5,841.5102	5,841.5102	0.2667		5,848.1770
Total	5.3369	35.1514	37.6257	0.1267	8.0595	0.2403	8.2998	2.1724	0.2284	2.4008		12,951.1327	12,951.1327	0.9989		12,976.1049

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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,091.7709	2,091.7709	0.4732		2,103.6009
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,091.7709	2,091.7709	0.4732		2,103.6009

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1312	31.8262	8.8462	0.0680	0.6543	0.1980	0.8522	0.2253	0.1894	0.4147		7,109.6225	7,109.6225	0.7322		7,127.9279
Worker	4.2057	3.3253	28.7795	0.0588	1.9936	0.0424	2.0360	0.6188	0.0390	0.6579		5,841.5102	5,841.5102	0.2667		5,848.1770
Total	5.3369	35.1514	37.6257	0.1267	2.6479	0.2403	2.8882	0.8441	0.2284	1.0725		12,951.1327	12,951.1327	0.9989		12,976.1049

3.4 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	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.1221	2,064.1221	0.4647		2,075.7402
Total	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.1221	2,064.1221	0.4647		2,075.7402

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9905	29.1765	7.9679	0.0674	1.5167	0.1400	1.6566	0.4370	0.1339	0.5709		7,050.2413	7,050.2413	0.6793		7,067.2227
Worker	3.8965	3.0014	26.1969	0.0569	6.5428	0.0413	6.5841	1.7354	0.0381	1.7735		5,655.7059	5,655.7059	0.2406		5,661.7202
Total	4.8869	32.1779	34.1648	0.1243	8.0594	0.1813	8.2407	2.1724	0.1720	2.3444		12,705.9472	12,705.9472	0.9198		12,728.9429

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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.1221	2,064.1221	0.4647		2,075.7402
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.1221	2,064.1221	0.4647		2,075.7402

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9905	29.1765	7.9679	0.0674	0.6542	0.1400	0.7942	0.2253	0.1339	0.3592		7,050.2413	7,050.2413	0.6793		7,067.2227
Worker	3.8965	3.0014	26.1969	0.0569	1.9936	0.0413	2.0350	0.6188	0.0381	0.6569		5,655.7059	5,655.7059	0.2406		5,661.7202
Total	4.8869	32.1779	34.1648	0.1243	2.6479	0.1813	2.8292	0.8441	0.1720	1.0161		12,705.9472	12,705.9472	0.9198		12,728.9429

3.4 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	1.5396	13.1889	14.8402	0.0219		0.7864	0.7864		0.7428	0.7428		2,064.4675	2,064.4675	0.4579		2,075.9149
Total	1.5396	13.1889	14.8402	0.0219		0.7864	0.7864		0.7428	0.7428		2,064.4675	2,064.4675	0.4579		2,075.9149

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8763	26.6783	7.1990	0.0670	1.5166	0.0501	1.5667	0.4370	0.0479	0.4848		7,010.5439	7,010.5439	0.6352		7,026.4249
Worker	3.6355	2.7230	24.1772	0.0550	6.5428	0.0403	6.5831	1.7354	0.0371	1.7726		5,465.4671	5,465.4671	0.2204		5,470.9765
Total	4.5117	29.4012	31.3761	0.1219	8.0594	0.0904	8.1498	2.1724	0.0850	2.2574		12,476.0110	12,476.0110	0.8556		12,497.4015

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	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.4675	2,064.4675	0.4579		2,075.9149
Total	0.5498	11.8276	15.1859	0.0219		0.8126	0.8126		0.8126	0.8126	0.0000	2,064.4675	2,064.4675	0.4579		2,075.9149

Vista Soleada Project - Salton Sea Air Basin, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8763	26.6783	7.1990	0.0670	0.6542	0.0501	0.7043	0.2253	0.0479	0.2731		7,010.5439	7,010.5439	0.6352		7,026.4249
Worker	3.6355	2.7230	24.1772	0.0550	1.9936	0.0403	2.0340	0.6188	0.0371	0.6560		5,465.4671	5,465.4671	0.2204		5,470.9765
Total	4.5117	29.4012	31.3761	0.1219	2.6478	0.0904	2.7382	0.8441	0.0850	0.9291		12,476.0110	12,476.0110	0.8556		12,497.4015

3.5 Architectural Coating - 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					
Archit. Coating	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	35.2427	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Vista Soleada Project - Salton Sea Air Basin, Winter

3.5 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8390	0.6634	5.7412	0.0117	1.3052	8.4500e-003	1.3137	0.3462	7.7900e-003	0.3540		1,165.3141	1,165.3141	0.0532		1,166.6440
Total	0.8390	0.6634	5.7412	0.0117	1.3052	8.4500e-003	1.3137	0.3462	7.7900e-003	0.3540		1,165.3141	1,165.3141	0.0532		1,166.6440

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	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423
Total	35.0357	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423

Vista Soleada Project - Salton Sea Air Basin, Winter

3.5 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8390	0.6634	5.7412	0.0117	0.3977	8.4500e-003	0.4062	0.1235	7.7900e-003	0.1312		1,165.3141	1,165.3141	0.0532		1,166.6440
Total	0.8390	0.6634	5.7412	0.0117	0.3977	8.4500e-003	0.4062	0.1235	7.7900e-003	0.1312		1,165.3141	1,165.3141	0.0532		1,166.6440

3.5 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	34.9763					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	35.2184	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Vista Soleada Project - Salton Sea Air Basin, Winter

3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7773	0.5988	5.2260	0.0114	1.3052	8.2500e-003	1.3135	0.3462	7.6000e-003	0.3538		1,128.2482	1,128.2482	0.0480		1,129.4480
Total	0.7773	0.5988	5.2260	0.0114	1.3052	8.2500e-003	1.3135	0.3462	7.6000e-003	0.3538		1,128.2482	1,128.2482	0.0480		1,129.4480

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	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928
Total	35.0357	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

Vista Soleada Project - Salton Sea Air Basin, Winter

3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7773	0.5988	5.2260	0.0114	0.3977	8.2500e-003	0.4060	0.1235	7.6000e-003	0.1310		1,128.2482	1,128.2482	0.0480		1,129.4480
Total	0.7773	0.5988	5.2260	0.0114	0.3977	8.2500e-003	0.4060	0.1235	7.6000e-003	0.1310		1,128.2482	1,128.2482	0.0480		1,129.4480

3.5 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	34.9763					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	35.1952	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Vista Soleada Project - Salton Sea Air Basin, Winter

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7252	0.5432	4.8231	0.0110	1.3052	8.0400e-003	1.3133	0.3462	7.4100e-003	0.3536		1,090.2978	1,090.2978	0.0440		1,091.3969
Total	0.7252	0.5432	4.8231	0.0110	1.3052	8.0400e-003	1.3133	0.3462	7.4100e-003	0.3536		1,090.2978	1,090.2978	0.0440		1,091.3969

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	34.9763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	35.0357	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309

Vista Soleada Project - Salton Sea Air Basin, Winter

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7252	0.5432	4.8231	0.0110	0.3977	8.0400e-003	0.4058	0.1235	7.4100e-003	0.1309		1,090.2978	1,090.2978	0.0440		1,091.3969
Total	0.7252	0.5432	4.8231	0.0110	0.3977	8.0400e-003	0.4058	0.1235	7.4100e-003	0.1309		1,090.2978	1,090.2978	0.0440		1,091.3969

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8352	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Vista Soleada Project - Salton Sea Air Basin, Winter

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0638	0.5520	1.1300e-003	0.1255	8.1000e-004	0.1263	0.0333	7.5000e-004	0.0340		112.0494	112.0494	5.1200e-003		112.1773
Total	0.0807	0.0638	0.5520	1.1300e-003	0.1255	8.1000e-004	0.1263	0.0333	7.5000e-004	0.0340		112.0494	112.0494	5.1200e-003		112.1773

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		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9417	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Vista Soleada Project - Salton Sea Air Basin, Winter

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0638	0.5520	1.1300e-003	0.0382	8.1000e-004	0.0391	0.0119	7.5000e-004	0.0126		112.0494	112.0494	5.1200e-003		112.1773
Total	0.0807	0.0638	0.5520	1.1300e-003	0.0382	8.1000e-004	0.0391	0.0119	7.5000e-004	0.0126		112.0494	112.0494	5.1200e-003		112.1773

3.7 Utility - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9966	7.9623	7.2084	0.0115		0.5036	0.5036		0.4836	0.4836		1,063.4774	1,063.4774	0.1485		1,067.1894
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3773	7.9623	7.2084	0.0115		0.5036	0.5036		0.4836	0.4836		1,063.4774	1,063.4774	0.1485		1,067.1894

Vista Soleada Project - Salton Sea Air Basin, Winter

3.7 Utility - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0384	0.3350	7.3000e-004	0.0837	5.3000e-004	0.0842	0.0222	4.9000e-004	0.0227		72.3236	72.3236	3.0800e-003		72.4005
Total	0.0498	0.0384	0.3350	7.3000e-004	0.0837	5.3000e-004	0.0842	0.0222	4.9000e-004	0.0227		72.3236	72.3236	3.0800e-003		72.4005

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	0.2571	5.5064	7.0428	0.0115		0.3777	0.3777		0.3777	0.3777	0.0000	1,063.4774	1,063.4774	0.1485		1,067.1894
Paving	0.3808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6379	5.5064	7.0428	0.0115		0.3777	0.3777		0.3777	0.3777	0.0000	1,063.4774	1,063.4774	0.1485		1,067.1894

Vista Soleada Project - Salton Sea Air Basin, Winter

3.7 Utility - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0384	0.3350	7.3000e-004	0.0255	5.3000e-004	0.0260	7.9100e-003	4.9000e-004	8.4000e-003		72.3236	72.3236	3.0800e-003		72.4005
Total	0.0498	0.0384	0.3350	7.3000e-004	0.0255	5.3000e-004	0.0260	7.9100e-003	4.9000e-004	8.4000e-003		72.3236	72.3236	3.0800e-003		72.4005

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Vista Soleada Project - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0702	15.5722	53.1760	0.1055	9.2818	0.1051	9.3869	2.4769	0.0987	2.5755		10,592.28 95	10,592.28 95	0.8263		10,612.94 62
Unmitigated	5.0702	15.5722	53.1760	0.1055	9.2818	0.1051	9.3869	2.4769	0.0987	2.5755		10,592.28 95	10,592.28 95	0.8263		10,612.94 62

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,884.96	1,962.18	1706.76	4,184,238	4,184,238
User Defined Recreational	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	1,884.96	1,962.18	1,706.76	4,184,238	4,184,238

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
User Defined Recreational	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
User Defined Retail	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Vista Soleada Project - Salton Sea Air Basin, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
User Defined Recreational	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
Single Family Housing	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425
User Defined Retail	0.521498	0.045032	0.190617	0.148318	0.020941	0.005905	0.015790	0.023363	0.001241	0.000390	0.021833	0.000646	0.004425

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607
NaturalGas Unmitigated	0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860

Vista Soleada Project - Salton Sea Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	15456.2	0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1667	1.4244	0.6061	9.0900e-003		0.1152	0.1152		0.1152	0.1152		1,818.3803	1,818.3803	0.0349	0.0333	1,829.1860

Vista Soleada Project - Salton Sea Air Basin, Winter

5.2 Energy by Land Use - Natural Gas

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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.4779	0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1454	1.2421	0.5286	7.9300e-003		0.1004	0.1004		0.1004	0.1004		1,585.6381	1,585.6381	0.0304	0.0291	1,595.0607

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 only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

Vista Soleada Project - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	47.8058	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.111 4	2,174.111 4	0.0698	0.0393	2,187.573 8
Unmitigated	40.9543	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.111 4	2,174.111 4	0.0698	0.0393	2,187.573 8

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	5.9891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.2692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1966	1.6800	0.7149	0.0107		0.1358	0.1358		0.1358	0.1358	0.0000	2,144.689 4	2,144.689 4	0.0411	0.0393	2,157.434 2
Landscaping	0.4995	0.1896	16.3936	8.6000e-004		0.0901	0.0901		0.0901	0.0901		29.4220	29.4220	0.0287		30.1396
Total	40.9543	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.111 4	2,174.111 4	0.0698	0.0393	2,187.573 8

Vista Soleada Project - Salton Sea Air Basin, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.9891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.1207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1966	1.6800	0.7149	0.0107		0.1358	0.1358		0.1358	0.1358	0.0000	2,144.6894	2,144.6894	0.0411	0.0393	2,157.4342
Landscaping	0.4995	0.1896	16.3936	8.6000e-004		0.0901	0.0901		0.0901	0.0901		29.4220	29.4220	0.0287		30.1396
Total	47.8058	1.8696	17.1085	0.0116		0.2260	0.2260		0.2260	0.2260	0.0000	2,174.1114	2,174.1114	0.0698	0.0393	2,187.5738

7.0 Water Detail

7.1 Mitigation Measures Water

- Apply Water Conservation Strategy
- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

8.0 Waste Detail

Vista Soleada Project - Salton Sea Air Basin, Winter

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
