

Research Drive Cannabis, PS - Salton Sea Air Basin, Annual

**Research Drive Cannabis, PS**  
**Salton Sea Air Basin, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	19.19	1000sqft	0.44	19,192.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.4	<b>Precipitation Freq (Days)</b>	20
<b>Climate Zone</b>	10			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Includes cultivation, manufacturing, distribution, offices, dispensary, and lounge space.

Construction Phase - Project is remodel of existing warehouse building. Limited construction is proposed. No large demo, site prep, grading required. On-site paved parking currently exists.

On-road Fugitive Dust - All roads to project site are paved.

Vehicle Trips - Average daily trips = 1,009.

Road Dust - All roadways are paved.

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Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	19,190.00	19,192.00
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	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	1.32	40.00
tblVehicleTrips	SU_TR	0.68	40.00
tblVehicleTrips	WD_TR	6.97	52.57

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.3277	0.3277
2	4-1-2020	6-30-2020	0.3149	0.3149
		Highest	0.3277	0.3277

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0883	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.7000e-004
Energy	3.3600e-003	0.0306	0.0257	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	95.3420	95.3420	3.2000e-003	1.1400e-003	95.7618
Mobile	0.4489	4.0931	5.2289	0.0188	1.1431	0.0176	1.1607	0.3071	0.0166	0.3237	0.0000	1,745.0346	1,745.0346	0.1194	0.0000	1,748.0199
Waste						0.0000	0.0000		0.0000	0.0000	4.8312	0.0000	4.8312	0.2855	0.0000	11.9691
Water						0.0000	0.0000		0.0000	0.0000	1.4079	18.4109	19.8188	0.1454	3.5700e-003	24.5172
<b>Total</b>	<b>0.5406</b>	<b>4.1237</b>	<b>5.2547</b>	<b>0.0190</b>	<b>1.1431</b>	<b>0.0199</b>	<b>1.1630</b>	<b>0.3071</b>	<b>0.0190</b>	<b>0.3261</b>	<b>6.2391</b>	<b>1,858.7879</b>	<b>1,865.0270</b>	<b>0.5535</b>	<b>4.7100e-003</b>	<b>1,880.2683</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0883	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.7000e-004
Energy	3.3600e-003	0.0306	0.0257	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	95.3420	95.3420	3.2000e-003	1.1400e-003	95.7618
Mobile	0.4489	4.0931	5.2289	0.0188	1.1431	0.0176	1.1607	0.3071	0.0166	0.3237	0.0000	1,745.0346	1,745.0346	0.1194	0.0000	1,748.0199
Waste						0.0000	0.0000		0.0000	0.0000	4.8312	0.0000	4.8312	0.2855	0.0000	11.9691
Water						0.0000	0.0000		0.0000	0.0000	1.4079	18.4109	19.8188	0.1454	3.5700e-003	24.5172
<b>Total</b>	<b>0.5406</b>	<b>4.1237</b>	<b>5.2547</b>	<b>0.0190</b>	<b>1.1431</b>	<b>0.0199</b>	<b>1.1630</b>	<b>0.3071</b>	<b>0.0190</b>	<b>0.3261</b>	<b>6.2391</b>	<b>1,858.7879</b>	<b>1,865.0270</b>	<b>0.5535</b>	<b>4.7100e-003</b>	<b>1,880.2683</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2020	5/19/2020	5	100	
2	Architectural Coating	Architectural Coating	5/20/2020	5/26/2020	5	5	

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**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 28,788; Non-Residential Outdoor: 9,596; Striped Parking Area: 0 (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
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	5	8.00	3.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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**3.2 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4348
<b>Total</b>	<b>0.0431</b>	<b>0.4426</b>	<b>0.3694</b>	<b>5.7000e-004</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0240</b>	<b>0.0240</b>	<b>0.0000</b>	<b>50.0302</b>	<b>50.0302</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.4348</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.7000e-004	0.0147	3.5700e-003	3.0000e-005	7.5000e-004	7.0000e-005	8.1000e-004	2.2000e-004	7.0000e-005	2.8000e-004	0.0000	3.2744	3.2744	2.9000e-004	0.0000	3.2816
Worker	2.0300e-003	1.5000e-003	0.0150	3.0000e-005	3.3100e-003	2.0000e-005	3.3300e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.8244	2.8244	1.2000e-004	0.0000	2.8274
<b>Total</b>	<b>2.5000e-003</b>	<b>0.0162</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>4.0600e-003</b>	<b>9.0000e-005</b>	<b>4.1400e-003</b>	<b>1.1000e-003</b>	<b>9.0000e-005</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>6.0988</b>	<b>6.0988</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>6.1090</b>

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**3.2 Building Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4347
<b>Total</b>	<b>0.0431</b>	<b>0.4426</b>	<b>0.3694</b>	<b>5.7000e-004</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0240</b>	<b>0.0240</b>	<b>0.0000</b>	<b>50.0302</b>	<b>50.0302</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.4347</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.7000e-004	0.0147	3.5700e-003	3.0000e-005	7.5000e-004	7.0000e-005	8.1000e-004	2.2000e-004	7.0000e-005	2.8000e-004	0.0000	3.2744	3.2744	2.9000e-004	0.0000	3.2816
Worker	2.0300e-003	1.5000e-003	0.0150	3.0000e-005	3.3100e-003	2.0000e-005	3.3300e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.8244	2.8244	1.2000e-004	0.0000	2.8274
<b>Total</b>	<b>2.5000e-003</b>	<b>0.0162</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>4.0600e-003</b>	<b>9.0000e-005</b>	<b>4.1400e-003</b>	<b>1.1000e-003</b>	<b>9.0000e-005</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>6.0988</b>	<b>6.0988</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>6.1090</b>



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**3.3 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396
<b>Total</b>	<b>0.1340</b>	<b>4.2100e-003</b>	<b>4.5800e-003</b>	<b>1.0000e-005</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.6396</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
<b>Total</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0353</b>	<b>0.0353</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0353</b>

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**3.3 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396
<b>Total</b>	<b>0.1340</b>	<b>4.2100e-003</b>	<b>4.5800e-003</b>	<b>1.0000e-005</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.6396</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
<b>Total</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0353</b>	<b>0.0353</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0353</b>

**4.0 Operational Detail - Mobile**

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4489	4.0931	5.2289	0.0188	1.1431	0.0176	1.1607	0.3071	0.0166	0.3237	0.0000	1,745.0346	1,745.0346	0.1194	0.0000	1,748.0199
Unmitigated	0.4489	4.0931	5.2289	0.0188	1.1431	0.0176	1.1607	0.3071	0.0166	0.3237	0.0000	1,745.0346	1,745.0346	0.1194	0.0000	1,748.0199

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,008.82	767.60	767.60	2,953,010	2,953,010
Total	1,008.82	767.60	767.60	2,953,010	2,953,010

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
General Light Industry	12.50	4.20	5.40	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923

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**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	62.0671	62.0671	2.5600e-003	5.3000e-004	62.2891
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	62.0671	62.0671	2.5600e-003	5.3000e-004	62.2891
NaturalGas Mitigated	3.3600e-003	0.0306	0.0257	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	33.2749	33.2749	6.4000e-004	6.1000e-004	33.4726
NaturalGas Unmitigated	3.3600e-003	0.0306	0.0257	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	33.2749	33.2749	6.4000e-004	6.1000e-004	33.4726

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	623548	3.3600e-003	0.0306	0.0257	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	33.2749	33.2749	6.4000e-004	6.1000e-004	33.4726
<b>Total</b>		<b>3.3600e-003</b>	<b>0.0306</b>	<b>0.0257</b>	<b>1.8000e-004</b>		<b>2.3200e-003</b>	<b>2.3200e-003</b>		<b>2.3200e-003</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>33.2749</b>	<b>33.2749</b>	<b>6.4000e-004</b>	<b>6.1000e-004</b>	<b>33.4726</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	623548	3.3600e-003	0.0306	0.0257	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	33.2749	33.2749	6.4000e-004	6.1000e-004	33.4726
<b>Total</b>		<b>3.3600e-003</b>	<b>0.0306</b>	<b>0.0257</b>	<b>1.8000e-004</b>		<b>2.3200e-003</b>	<b>2.3200e-003</b>		<b>2.3200e-003</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>33.2749</b>	<b>33.2749</b>	<b>6.4000e-004</b>	<b>6.1000e-004</b>	<b>33.4726</b>

Research Drive Cannabis, PS - 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			
General Light Industry	194799	62.0671	2.5600e-003	5.3000e-004	62.2891
<b>Total</b>		<b>62.0671</b>	<b>2.5600e-003</b>	<b>5.3000e-004</b>	<b>62.2891</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	194799	62.0671	2.5600e-003	5.3000e-004	62.2891
<b>Total</b>		<b>62.0671</b>	<b>2.5600e-003</b>	<b>5.3000e-004</b>	<b>62.2891</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Research Drive Cannabis, PS - 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	0.0883	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.7000e-004
Unmitigated	0.0883	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0133					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.7000e-004
<b>Total</b>	<b>0.0883</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.7000e-004</b>

Research Drive Cannabis, PS - 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	0.0133					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.7000e-004
<b>Total</b>	<b>0.0883</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.7000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



Research Drive Cannabis, PS - Salton Sea Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.8188	0.1454	3.5700e-003	24.5172
Unmitigated	19.8188	0.1454	3.5700e-003	24.5172

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	4.43769 / 0	19.8188	0.1454	3.5700e-003	24.5172
<b>Total</b>		<b>19.8188</b>	<b>0.1454</b>	<b>3.5700e-003</b>	<b>24.5172</b>

Research Drive Cannabis, PS - 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			
General Light Industry	4.43769 / 0	19.8188	0.1454	3.5700e-003	24.5172
<b>Total</b>		<b>19.8188</b>	<b>0.1454</b>	<b>3.5700e-003</b>	<b>24.5172</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.8312	0.2855	0.0000	11.9691
Unmitigated	4.8312	0.2855	0.0000	11.9691

Research Drive Cannabis, PS - Salton Sea Air Basin, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	23.8	4.8312	0.2855	0.0000	11.9691
<b>Total</b>		<b>4.8312</b>	<b>0.2855</b>	<b>0.0000</b>	<b>11.9691</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	23.8	4.8312	0.2855	0.0000	11.9691
<b>Total</b>		<b>4.8312</b>	<b>0.2855</b>	<b>0.0000</b>	<b>11.9691</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Research Drive Cannabis, PS - Salton Sea Air Basin, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**Research Drive Cannabis, PS**  
**Salton Sea Air Basin, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	19.19	1000sqft	0.44	19,192.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.4	<b>Precipitation Freq (Days)</b>	20
<b>Climate Zone</b>	10			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Includes cultivation, manufacturing, distribution, offices, dispensary, and lounge space.

Construction Phase - Project is remodel of existing warehouse building. Limited construction is proposed. No large demo, site prep, grading required. On-site paved parking currently exists.

On-road Fugitive Dust - All roads to project site are paved.

Vehicle Trips - Average daily trips = 1,009.

Road Dust - All roadways are paved.

## Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	19,190.00	19,192.00
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	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	1.32	40.00
tblVehicleTrips	SU_TR	0.68	40.00
tblVehicleTrips	WD_TR	6.97	52.57

## 2.0 Emissions Summary

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Research Drive Cannabis, PS - 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	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
Energy	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
Mobile	3.2322	23.8409	36.7714	0.1179	6.8200	0.1032	6.9233	1.8304	0.0976	1.9280		12,046.6183	12,046.6183	0.7886		12,066.3344
<b>Total</b>	<b>3.7346</b>	<b>24.0084</b>	<b>36.9140</b>	<b>0.1189</b>	<b>6.8200</b>	<b>0.1160</b>	<b>6.9360</b>	<b>1.8304</b>	<b>0.1103</b>	<b>1.9407</b>		<b>12,247.6050</b>	<b>12,247.6050</b>	<b>0.7925</b>	<b>3.6800e-003</b>	<b>12,268.5157</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
Energy	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
Mobile	3.2322	23.8409	36.7714	0.1179	6.8200	0.1032	6.9233	1.8304	0.0976	1.9280		12,046.6183	12,046.6183	0.7886		12,066.3344
<b>Total</b>	<b>3.7346</b>	<b>24.0084</b>	<b>36.9140</b>	<b>0.1189</b>	<b>6.8200</b>	<b>0.1160</b>	<b>6.9360</b>	<b>1.8304</b>	<b>0.1103</b>	<b>1.9407</b>		<b>12,247.6050</b>	<b>12,247.6050</b>	<b>0.7925</b>	<b>3.6800e-003</b>	<b>12,268.5157</b>



## Research Drive Cannabis, PS - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2020	5/19/2020	5	100	
2	Architectural Coating	Architectural Coating	5/20/2020	5/26/2020	5	5	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 28,788; Non-Residential Outdoor: 9,596; Striped Parking Area: 0 (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
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

#### Trips and VMT

Research Drive Cannabis, PS - 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
Building Construction	5	8.00	3.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Building Construction - 2020**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.978 1	1,102.978 1	0.3567		1,111.8962
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>		<b>1,102.978 1</b>	<b>1,102.978 1</b>	<b>0.3567</b>		<b>1,111.896 2</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**3.2 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	9.3500e-003	0.2910	0.0666	7.0000e-004	0.0151	1.3600e-003	0.0164	4.3400e-003	1.3000e-003	5.6400e-003		73.7470	73.7470	6.0100e-003		73.8972
Worker	0.0484	0.0298	0.3743	6.9000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		68.8596	68.8596	3.1100e-003		68.9374
<b>Total</b>	<b>0.0577</b>	<b>0.3208</b>	<b>0.4409</b>	<b>1.3900e-003</b>	<b>0.0820</b>	<b>1.7800e-003</b>	<b>0.0838</b>	<b>0.0221</b>	<b>1.6900e-003</b>	<b>0.0238</b>		<b>142.6066</b>	<b>142.6066</b>	<b>9.1200e-003</b>		<b>142.8347</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>	<b>0.0000</b>	<b>1,102.9781</b>	<b>1,102.9781</b>	<b>0.3567</b>		<b>1,111.8962</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**3.2 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	9.3500e-003	0.2910	0.0666	7.0000e-004	0.0151	1.3600e-003	0.0164	4.3400e-003	1.3000e-003	5.6400e-003		73.7470	73.7470	6.0100e-003		73.8972
Worker	0.0484	0.0298	0.3743	6.9000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		68.8596	68.8596	3.1100e-003		68.9374
<b>Total</b>	<b>0.0577</b>	<b>0.3208</b>	<b>0.4409</b>	<b>1.3900e-003</b>	<b>0.0820</b>	<b>1.7800e-003</b>	<b>0.0838</b>	<b>0.0221</b>	<b>1.6900e-003</b>	<b>0.0238</b>		<b>142.6066</b>	<b>142.6066</b>	<b>9.1200e-003</b>		<b>142.8347</b>

**3.3 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.3730					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
<b>Total</b>	<b>53.6151</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**3.3 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	0.0121	7.4500e-003	0.0936	1.7000e-004	0.0167	1.1000e-004	0.0168	4.4400e-003	1.0000e-004	4.5400e-003		17.2149	17.2149	7.8000e-004		17.2344
<b>Total</b>	<b>0.0121</b>	<b>7.4500e-003</b>	<b>0.0936</b>	<b>1.7000e-004</b>	<b>0.0167</b>	<b>1.1000e-004</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>1.0000e-004</b>	<b>4.5400e-003</b>		<b>17.2149</b>	<b>17.2149</b>	<b>7.8000e-004</b>		<b>17.2344</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	53.3730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>53.6151</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**3.3 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	0.0121	7.4500e-003	0.0936	1.7000e-004	0.0167	1.1000e-004	0.0168	4.4400e-003	1.0000e-004	4.5400e-003		17.2149	17.2149	7.8000e-004		17.2344
<b>Total</b>	<b>0.0121</b>	<b>7.4500e-003</b>	<b>0.0936</b>	<b>1.7000e-004</b>	<b>0.0167</b>	<b>1.1000e-004</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>1.0000e-004</b>	<b>4.5400e-003</b>		<b>17.2149</b>	<b>17.2149</b>	<b>7.8000e-004</b>		<b>17.2344</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Research Drive Cannabis, PS - 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	3.2322	23.8409	36.7714	0.1179	6.8200	0.1032	6.9233	1.8304	0.0976	1.9280		12,046.61 83	12,046.61 83	0.7886		12,066.33 44
Unmitigated	3.2322	23.8409	36.7714	0.1179	6.8200	0.1032	6.9233	1.8304	0.0976	1.9280		12,046.61 83	12,046.61 83	0.7886		12,066.33 44

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,008.82	767.60	767.60	2,953,010	2,953,010
Total	1,008.82	767.60	767.60	2,953,010	2,953,010

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
General Light Industry	12.50	4.20	5.40	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923

5.0 Energy Detail

Historical Energy Use: N

Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
NaturalGas Unmitigated	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1708.35	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
<b>Total</b>		<b>0.0184</b>	<b>0.1675</b>	<b>0.1407</b>	<b>1.0000e-003</b>		<b>0.0127</b>	<b>0.0127</b>		<b>0.0127</b>	<b>0.0127</b>		<b>200.9825</b>	<b>200.9825</b>	<b>3.8500e-003</b>	<b>3.6800e-003</b>	<b>202.1768</b>



Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.70835	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
<b>Total</b>		<b>0.0184</b>	<b>0.1675</b>	<b>0.1407</b>	<b>1.0000e-003</b>		<b>0.0127</b>	<b>0.0127</b>		<b>0.0127</b>	<b>0.0127</b>		<b>200.9825</b>	<b>200.9825</b>	<b>3.8500e-003</b>	<b>3.6800e-003</b>	<b>202.1768</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
Unmitigated	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003

Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
<b>Total</b>	<b>0.4840</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.2000e-003</b>	<b>4.2000e-003</b>	<b>1.0000e-005</b>		<b>4.4800e-003</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
<b>Total</b>	<b>0.4840</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.2000e-003</b>	<b>4.2000e-003</b>	<b>1.0000e-005</b>		<b>4.4800e-003</b>

**7.0 Water Detail**

Research Drive Cannabis, PS - Salton Sea Air Basin, Summer

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**Research Drive Cannabis, PS**  
**Salton Sea Air Basin, Winter**

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	19.19	1000sqft	0.44	19,192.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.4	<b>Precipitation Freq (Days)</b>	20
<b>Climate Zone</b>	10			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes cultivation, manufacturing, distribution, offices, dispensary, and lounge space.

Construction Phase - Project is remodel of existing warehouse building. Limited construction is proposed. No large demo, site prep, grading required. On-site paved parking currently exists.

On-road Fugitive Dust - All roads to project site are paved.

Vehicle Trips - Average daily trips = 1,009.

Road Dust - All roadways are paved.

## Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	19,190.00	19,192.00
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	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	1.32	40.00
tblVehicleTrips	SU_TR	0.68	40.00
tblVehicleTrips	WD_TR	6.97	52.57

## 2.0 Emissions Summary

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Research Drive Cannabis, PS - 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	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
Energy	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
Mobile	2.4108	23.9919	29.0422	0.1056	6.8200	0.1049	6.9249	1.8304	0.0992	1.9296		10,815.1745	10,815.1745	0.7933		10,835.0070
<b>Total</b>	<b>2.9132</b>	<b>24.1594</b>	<b>29.1849</b>	<b>0.1066</b>	<b>6.8200</b>	<b>0.1176</b>	<b>6.9377</b>	<b>1.8304</b>	<b>0.1119</b>	<b>1.9423</b>		<b>11,016.1612</b>	<b>11,016.1612</b>	<b>0.7972</b>	<b>3.6800e-003</b>	<b>11,037.1883</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
Energy	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
Mobile	2.4108	23.9919	29.0422	0.1056	6.8200	0.1049	6.9249	1.8304	0.0992	1.9296		10,815.1745	10,815.1745	0.7933		10,835.0070
<b>Total</b>	<b>2.9132</b>	<b>24.1594</b>	<b>29.1849</b>	<b>0.1066</b>	<b>6.8200</b>	<b>0.1176</b>	<b>6.9377</b>	<b>1.8304</b>	<b>0.1119</b>	<b>1.9423</b>		<b>11,016.1612</b>	<b>11,016.1612</b>	<b>0.7972</b>	<b>3.6800e-003</b>	<b>11,037.1883</b>

Research Drive Cannabis, PS - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2020	5/19/2020	5	100	
2	Architectural Coating	Architectural Coating	5/20/2020	5/26/2020	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 28,788; Non-Residential Outdoor: 9,596; Striped Parking Area: 0 (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
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

#### Trips and VMT



Research Drive Cannabis, PS - 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
Building Construction	5	8.00	3.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.978 1	1,102.978 1	0.3567		1,111.8962
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>		<b>1,102.978 1</b>	<b>1,102.978 1</b>	<b>0.3567</b>		<b>1,111.896 2</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**3.2 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	9.8400e-003	0.2898	0.0792	6.7000e-004	0.0151	1.3900e-003	0.0165	4.3400e-003	1.3300e-003	5.6700e-003		70.0355	70.0355	6.7500e-003		70.2042
Worker	0.0399	0.0307	0.2680	5.8000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		57.8589	57.8589	2.4600e-003		57.9204
<b>Total</b>	<b>0.0497</b>	<b>0.3205</b>	<b>0.3472</b>	<b>1.2500e-003</b>	<b>0.0820</b>	<b>1.8100e-003</b>	<b>0.0838</b>	<b>0.0221</b>	<b>1.7200e-003</b>	<b>0.0238</b>		<b>127.8944</b>	<b>127.8944</b>	<b>9.2100e-003</b>		<b>128.1246</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>	<b>0.0000</b>	<b>1,102.9781</b>	<b>1,102.9781</b>	<b>0.3567</b>		<b>1,111.8962</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**3.2 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	9.8400e-003	0.2898	0.0792	6.7000e-004	0.0151	1.3900e-003	0.0165	4.3400e-003	1.3300e-003	5.6700e-003		70.0355	70.0355	6.7500e-003		70.2042
Worker	0.0399	0.0307	0.2680	5.8000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.9000e-004	0.0181		57.8589	57.8589	2.4600e-003		57.9204
<b>Total</b>	<b>0.0497</b>	<b>0.3205</b>	<b>0.3472</b>	<b>1.2500e-003</b>	<b>0.0820</b>	<b>1.8100e-003</b>	<b>0.0838</b>	<b>0.0221</b>	<b>1.7200e-003</b>	<b>0.0238</b>		<b>127.8944</b>	<b>127.8944</b>	<b>9.2100e-003</b>		<b>128.1246</b>

**3.3 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.3730					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
<b>Total</b>	<b>53.6151</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**3.3 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	9.9700e-003	7.6800e-003	0.0670	1.5000e-004	0.0167	1.1000e-004	0.0168	4.4400e-003	1.0000e-004	4.5400e-003		14.4647	14.4647	6.2000e-004		14.4801
<b>Total</b>	<b>9.9700e-003</b>	<b>7.6800e-003</b>	<b>0.0670</b>	<b>1.5000e-004</b>	<b>0.0167</b>	<b>1.1000e-004</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>1.0000e-004</b>	<b>4.5400e-003</b>		<b>14.4647</b>	<b>14.4647</b>	<b>6.2000e-004</b>		<b>14.4801</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	53.3730					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>53.6151</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**3.3 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	9.9700e-003	7.6800e-003	0.0670	1.5000e-004	0.0167	1.1000e-004	0.0168	4.4400e-003	1.0000e-004	4.5400e-003		14.4647	14.4647	6.2000e-004		14.4801
<b>Total</b>	<b>9.9700e-003</b>	<b>7.6800e-003</b>	<b>0.0670</b>	<b>1.5000e-004</b>	<b>0.0167</b>	<b>1.1000e-004</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>1.0000e-004</b>	<b>4.5400e-003</b>		<b>14.4647</b>	<b>14.4647</b>	<b>6.2000e-004</b>		<b>14.4801</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Research Drive Cannabis, PS - 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	2.4108	23.9919	29.0422	0.1056	6.8200	0.1049	6.9249	1.8304	0.0992	1.9296		10,815.17 45	10,815.17 45	0.7933		10,835.00 70
Unmitigated	2.4108	23.9919	29.0422	0.1056	6.8200	0.1049	6.9249	1.8304	0.0992	1.9296		10,815.17 45	10,815.17 45	0.7933		10,835.00 70

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,008.82	767.60	767.60	2,953,010	2,953,010
Total	1,008.82	767.60	767.60	2,953,010	2,953,010

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
General Light Industry	12.50	4.20	5.40	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923

5.0 Energy Detail

Historical Energy Use: N

Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
NaturalGas Unmitigated	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1708.35	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
<b>Total</b>		<b>0.0184</b>	<b>0.1675</b>	<b>0.1407</b>	<b>1.0000e-003</b>		<b>0.0127</b>	<b>0.0127</b>		<b>0.0127</b>	<b>0.0127</b>		<b>200.9825</b>	<b>200.9825</b>	<b>3.8500e-003</b>	<b>3.6800e-003</b>	<b>202.1768</b>

Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.70835	0.0184	0.1675	0.1407	1.0000e-003		0.0127	0.0127		0.0127	0.0127		200.9825	200.9825	3.8500e-003	3.6800e-003	202.1768
<b>Total</b>		<b>0.0184</b>	<b>0.1675</b>	<b>0.1407</b>	<b>1.0000e-003</b>		<b>0.0127</b>	<b>0.0127</b>		<b>0.0127</b>	<b>0.0127</b>		<b>200.9825</b>	<b>200.9825</b>	<b>3.8500e-003</b>	<b>3.6800e-003</b>	<b>202.1768</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
Unmitigated	0.4840	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003



Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
<b>Total</b>	<b>0.4840</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.2000e-003</b>	<b>4.2000e-003</b>	<b>1.0000e-005</b>		<b>4.4800e-003</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2000e-003	4.2000e-003	1.0000e-005		4.4800e-003
<b>Total</b>	<b>0.4840</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.2000e-003</b>	<b>4.2000e-003</b>	<b>1.0000e-005</b>		<b>4.4800e-003</b>

**7.0 Water Detail**

Research Drive Cannabis, PS - Salton Sea Air Basin, Winter

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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