

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

**Eastgate Building I (2019 Operations (with Solar) - Passenger Cars)**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	655.75	1000sqft	15.05	655,746.00	0
Other Non-Asphalt Surfaces	50.12	Acre	50.12	2,183,227.20	0
Parking Lot	3,446.00	Space	31.01	1,378,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

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Project Characteristics -

Land Use - Total Project Area is 97.33 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Operations Run Only.

Water And Wastewater - As per the Project Description, the Project Water Demand is 40,000 GPD.

Energy Mitigation -

Fleet Mix - Operations Run Only.

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblFleetMix	HHD	0.06	0.00
tblFleetMix	LDA	0.54	1.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.6710e-003	0.00
tblFleetMix	MCY	6.2440e-003	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	1.1630e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3260e-003	0.00
tblFleetMix	SBUS	8.2300e-004	0.00
tblFleetMix	UBUS	1.7150e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	5.02
tblVehicleTrips	SU_TR	1.68	5.02
tblVehicleTrips	WD_TR	1.68	5.02
tblWater	IndoorWaterUseRate	151,642,187.50	14,600,000.00



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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
		Highest		

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	2.9583	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1030	0.1030	2.8000e-004	0.0000	0.1100
Energy	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	717.8377	717.8377	0.0281	6.8300e-003	720.5738
Mobile	0.8404	1.6545	17.9381	0.0628	7.4159	0.0414	7.4573	1.9687	0.0382	2.0069	0.0000	5,685.6800	5,685.6800	0.1258	0.0000	5,688.8244
Waste						0.0000	0.0000		0.0000	0.0000	125.1236	0.0000	125.1236	7.3946	0.0000	309.9885
Water						0.0000	0.0000		0.0000	0.0000	4.6319	60.5720	65.2039	0.4782	0.0118	80.6617
<b>Total</b>	<b>3.8059</b>	<b>1.7203</b>	<b>18.0464</b>	<b>0.0632</b>	<b>7.4159</b>	<b>0.0465</b>	<b>7.4625</b>	<b>1.9687</b>	<b>0.0433</b>	<b>2.0120</b>	<b>129.7555</b>	<b>6,464.1928</b>	<b>6,593.9483</b>	<b>8.0269</b>	<b>0.0186</b>	<b>6,800.1583</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	2.9583	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1030	0.1030	2.8000e-004	0.0000	0.1100
Energy	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	-1,375.5051	-1,375.5051	-0.0584	-0.0111	-1,380.2580
Mobile	0.8404	1.6545	17.9381	0.0628	7.4159	0.0414	7.4573	1.9687	0.0382	2.0069	0.0000	5,685.6800	5,685.6800	0.1258	0.0000	5,688.8244
Waste						0.0000	0.0000		0.0000	0.0000	125.1236	0.0000	125.1236	7.3946	0.0000	309.9885
Water						0.0000	0.0000		0.0000	0.0000	4.6319	60.5720	65.2039	0.4782	0.0118	80.6617
<b>Total</b>	<b>3.8059</b>	<b>1.7203</b>	<b>18.0464</b>	<b>0.0632</b>	<b>7.4159</b>	<b>0.0465</b>	<b>7.4625</b>	<b>1.9687</b>	<b>0.0433</b>	<b>2.0120</b>	<b>129.7555</b>	<b>4,370.8500</b>	<b>4,500.6056</b>	<b>7.9405</b>	<b>7.0000e-004</b>	<b>4,699.3266</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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>32.38</b>	<b>31.75</b>	<b>1.08</b>	<b>96.23</b>	<b>30.89</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2018	11/1/2018	5	1	

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

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

**Acres of Paving: 81.13**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

**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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**





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**3.2 Demolition - 2018**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</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>0.0000</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>0.0000</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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</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>0.0000</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>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	0.8404	1.6545	17.9381	0.0628	7.4159	0.0414	7.4573	1.9687	0.0382	2.0069	0.0000	5,685.6800	5,685.6800	0.1258	0.0000	5,688.8244
Unmitigated	0.8404	1.6545	17.9381	0.0628	7.4159	0.0414	7.4573	1.9687	0.0382	2.0069	0.0000	5,685.6800	5,685.6800	0.1258	0.0000	5,688.8244

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	3,293.81	3,293.81	3,293.81	19,902,531	19,902,531
<b>Total</b>	<b>3,293.81</b>	<b>3,293.81</b>	<b>3,293.81</b>	<b>19,902,531</b>	<b>19,902,531</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.541740	0.038987	0.178620	0.126833	0.019742	0.005671	0.017070	0.060066	0.001326	0.001715	0.006244	0.000823	0.001163
Parking Lot	0.541740	0.038987	0.178620	0.126833	0.019742	0.005671	0.017070	0.060066	0.001326	0.001715	0.006244	0.000823	0.001163
Unrefrigerated Warehouse-No Rail	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	-	-	-0.0597	-0.0124	-
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,446.5411	1,446.5411	0.0267	5.5200e-003	649.1156
NaturalGas Mitigated	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	71.0360	71.0360	1.3600e-003	1.3000e-003	71.4581
NaturalGas Unmitigated	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	71.0360	71.0360	1.3600e-003	1.3000e-003	71.4581

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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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.33116e+006	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	71.0360	71.0360	1.3600e-003	1.3000e-003	71.4581
<b>Total</b>		<b>7.1800e-003</b>	<b>0.0653</b>	<b>0.0548</b>	<b>3.9000e-004</b>		<b>4.9600e-003</b>	<b>4.9600e-003</b>		<b>4.9600e-003</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>71.0360</b>	<b>71.0360</b>	<b>1.3600e-003</b>	<b>1.3000e-003</b>	<b>71.4581</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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.33116e+006	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	71.0360	71.0360	1.3600e-003	1.3000e-003	71.4581
<b>Total</b>		<b>7.1800e-003</b>	<b>0.0653</b>	<b>0.0548</b>	<b>3.9000e-004</b>		<b>4.9600e-003</b>	<b>4.9600e-003</b>		<b>4.9600e-003</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>71.0360</b>	<b>71.0360</b>	<b>1.3600e-003</b>	<b>1.3000e-003</b>	<b>71.4581</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	482440	153.7157	6.3500e-003	1.3100e-003	154.2656
Unrefrigerated Warehouse-No Rail	1.54756e+006	493.0860	0.0204	4.2100e-003	494.8500
<b>Total</b>		<b>646.8017</b>	<b>0.0267</b>	<b>5.5200e-003</b>	<b>649.1156</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	-2.19e+006	-697.7809	-0.0288	-0.0060	-700.2773
Parking Lot	-1.70756e+006	-544.0652	-0.0225	-0.0047	-546.0116
Unrefrigerated Warehouse-No Rail	-642439	-204.6950	-0.0085	-0.0018	-205.4273
<b>Total</b>		<b>-1,446.5411</b>	<b>-0.0597</b>	<b>-0.0124</b>	<b>-1,451.7161</b>

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**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9583	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1030	0.1030	2.8000e-004	0.0000	0.1100
Unmitigated	2.9583	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1030	0.1030	2.8000e-004	0.0000	0.1100

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**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	0.3535					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0700e-003	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1030	0.1030	2.8000e-004	0.0000	0.1100
<b>Total</b>	<b>2.9583</b>	<b>5.0000e-004</b>	<b>0.0535</b>	<b>0.0000</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.1030</b>	<b>0.1030</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.1100</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	tons/yr										MT/yr					
Architectural Coating	0.3535					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0700e-003	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1030	0.1030	2.8000e-004	0.0000	0.1100
<b>Total</b>	<b>2.9583</b>	<b>5.0000e-004</b>	<b>0.0535</b>	<b>0.0000</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.1030</b>	<b>0.1030</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.1100</b>

**7.0 Water Detail**

## Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	65.2039	0.4782	0.0118	80.6617
Unmitigated	65.2039	0.4782	0.0118	80.6617

**7.2 Water by Land Use****Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	14.6 / 0	65.2039	0.4782	0.0118	80.6617
<b>Total</b>		<b>65.2039</b>	<b>0.4782</b>	<b>0.0118</b>	<b>80.6617</b>



## Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	14.6 / 0	65.2039	0.4782	0.0118	80.6617
<b>Total</b>		<b>65.2039</b>	<b>0.4782</b>	<b>0.0118</b>	<b>80.6617</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	125.1236	7.3946	0.0000	309.9885
Unmitigated	125.1236	7.3946	0.0000	309.9885

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	616.4	125.1236	7.3946	0.0000	309.9885
<b>Total</b>		<b>125.1236</b>	<b>7.3946</b>	<b>0.0000</b>	<b>309.9885</b>

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	616.4	125.1236	7.3946	0.0000	309.9885
<b>Total</b>		<b>125.1236</b>	<b>7.3946</b>	<b>0.0000</b>	<b>309.9885</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

## **11.0 Vegetation**

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tblProjectCharacteristics

ProjectName	LocationSc	EMFAC_IC	WindSpeed	Precipitation	ClimateZone	Urbanization	Operational	UtilityComp	CO2Intens	CH4Intens	N2OIntens	TotalPopul	TotalLotAc	UsingHisto	ConstructionPhase	StartDate
Eastgate BC	SBERN	SC	2.2	32	10	Urban	2019	Southern C	702.44	0.029	0.006	0	96.18	0	2018/11/01	

tblPollutants

PollutantSe	PollutantFu	PollutantName
1	Reactive O	ROG
1	Nitrogen O	NOX
1	Carbon Mo	CO
1	Sulfur Diox	SO2
1	Particulate	PM10
1	Particulate	PM2_5
1	Fugitive PM	PM10_FUG
1	Fugitive PM	PM25_FUG
1	Biogenic C	CO2_BIO
1	Non-Bioge	CO2_NBIO
1	Carbon Dic	CO2
1	Methane (C	CH4
1	Nitrous Oxi	N2O
1	CO2 Equiv	CO2E

tblLandUse

LandUseTy	LandUseSi	LandUseU	LandUseSi	LotAcreage	LandUseSc	Population	BuildingSp	GreenSpac
Industrial	Unrefrigera	655.75	1000sqft	15.05	655746	0	655746	0
Parking	Other Non-	50.12	Acre	50.12	2183227	0	2183227	0
Parking	Parking Lo	3446	Space	31.01	1378400	0	1378400	0

tblLandUse

RecSwimmingAreaAllowEdit

0

0

0



tblConstructionPhase

PhaseNum	PhaseNam	PhaseType	PhaseStart	PhaseEnd	NumDaysV	NumDays	PhaseDescription
1	Demolition	Demolition	2018/11/01	2018/11/01	5	1	

tblOffRoadEquipment

PhaseNam	OffRoadEq	OffRoadEq	UsageHou	HorsePow	LoadFactor
Demolition	Concrete/lr	0	8	81	0.73
Demolition	Excavators	0	8	158	0.38
Demolition	Rubber Tir	0	8	247	0.4

tblTripsAndVMT

PhaseNam	WorkerTrip	VendorTrip	HaulingTrip	WorkerTrip	VendorTrip	HaulingTrip	WorkerVeh	VendorVeh
Demolition	0	0	0	14.7	6.9	20	LD_Mix	HDT_Mix

HaulingVehicleClass  
HHDT

tblOnRoadDust

PhaseNam	WorkerPer	VendorPer	HaulingPer	RoadSiltLo	MaterialSilt	MaterialMo	AverageVe	MeanVehic
Demolition	100	100	100	0.1	8.5	0.5	2.4	40

tblOnRoadDust

leSpeed

PhaseNam Demolition: DemolitionUnitAmount  
Demolition

tblGrading

PhaseNam MaterialIm; MaterialEx; GradingSiz ImportExp; MeanVehic AcresOfGr; MaterialMo MaterialMo



MaterialSiltContent

tblArchitecturalCoating

PhaseNam Architectur: Architectur: EF\_Reside ConstArea, EF\_Reside ConstArea, EF\_Nonres ConstArea,

tblArchitecturalCoating

EF\_Nonres ConstArea, EF\_Parking ConstArea\_Parking

tblPaving

ParkingLotAcreage

tblVehicleTrips

VehicleTrip	VehicleTrip	WD_TR	ST_TR	SU_TR	HW_TL	HS_TL	HO_TL	CC_TL
Other Non- Acre		0	0	0	0	0	0	8.4
Parking Lo Space		0	0	0	0	0	0	8.4
Unrefrigera 1000sqft		5.02	5.02	5.02	0	0	0	8.4

tblVehicleTrips

CW_TL	CNW_TL	PR_TP	DV_TP	PB_TP	HW_TTP	HS_TTP	HO_TTP	CC_TTP
16.6	6.9	0	0	0	0	0	0	0
16.6	6.9	0	0	0	0	0	0	0
16.6	6.9	100	0	0	0	0	0	0

tblVehicleTrips

CW_TTP	CNW_TTP
0	0
0	0
100	0

## tblVehicleEF

Season	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD
A	CH4_IDLE	0	0	0	0	0.005833	0.004142	0.017657
A	CH4_RUN	0.005801	0.019299	0.008563	0.01667	0.015773	0.006702	0.009159
A	CH4_STRE	0.008731	0.026905	0.012295	0.025607	0.023656	0.011218	0.068298
A	CO_IDLE	0	0	0	0	0.14999	0.126725	0.462592
A	CO_RUN	0.717936	2.109544	1.016405	1.868739	1.361992	0.697412	0.654644
A	CO_STRE	1.671311	4.942886	2.358408	4.250098	3.089027	1.510487	7.386569
A	CO2_NBIC	0	0	0	0	9.228524	14.37604	157.5428
A	CO2_NBIC	282.2004	340.7841	386.1631	522.8248	625.6011	626.6735	1105.653
A	CO2_NBIC	63.34746	75.92188	86.73614	115.4727	32.09282	25.83146	56.04483
A	NOX_IDLE	0	0	0	0	0.087359	0.120835	1.211343
A	NOX_RUN	0.068457	0.225314	0.123065	0.24215	2.52726	2.13784	2.371402
A	NOX_STRE	0.117006	0.295612	0.222041	0.431967	1.068409	0.623412	11.69779
A	PM10_IDLE	0	0	0	0	0.000953	0.001318	0.004763
A	PM10_PM	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034
A	PM10_PM	0.008	0.008	0.008	0.008	0.01003	0.010681	0.012
A	PM10_RUN	0.001748	0.003207	0.001736	0.00191	0.015909	0.015472	0.070515
A	PM10_STF	0.002341	0.004357	0.002435	0.002718	0.001154	0.000499	0.001016
A	PM25_IDLE	0	0	0	0	0.000912	0.001261	0.004557
A	PM25_PM	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586
A	PM25_PM	0.002	0.002	0.002	0.002	0.002507	0.00267	0.003
A	PM25_RUN	0.001612	0.002954	0.001597	0.001763	0.015194	0.014791	0.06746
A	PM25_STF	0.002153	0.004008	0.00224	0.002504	0.001063	0.000459	0.000936
A	ROG_DIUF	0.059233	0.217984	0.078353	0.104552	0.00394	0.001618	0.001776
A	ROG_HTS	0.131523	0.40097	0.157067	0.216064	0.111683	0.047259	0.053811
A	ROG_IDLE	0	0	0	0	0.017791	0.015002	0.036389
A	ROG_RES	0.04448	0.146409	0.061244	0.086718	0.001869	0.000815	0.000855
A	ROG_RUN	0.014622	0.049694	0.021692	0.049829	0.099489	0.073628	0.116585
A	ROG_RUN	0.040191	0.241047	0.080249	0.115433	0.345323	0.114263	0.022112
A	ROG_STR	0.117753	0.362948	0.165841	0.345592	0.31913	0.151309	0.450091
A	SO2_IDLE	0	0	0	0	0.000092	0.00014	0.001514
A	SO2_RUN	0.002828	0.003437	0.003871	0.005247	0.006149	0.006102	0.010603
A	SO2_STRE	0.000662	0.000847	0.000908	0.001231	0.000379	0.000287	0.00069
A	TOG_DIUF	0.059233	0.217984	0.078353	0.104552	0.00394	0.001618	0.001776
A	TOG_HTS	0.131523	0.40097	0.157067	0.216064	0.111683	0.047259	0.053811
A	TOG_IDLE	0	0	0	0	0.024743	0.020168	0.047641
A	TOG_RES	0.04448	0.146409	0.061244	0.086718	0.001869	0.000815	0.000855
A	TOG_RUN	0.021233	0.071675	0.031435	0.068956	0.123167	0.08675	0.136064
A	TOG_RUN	0.040191	0.241047	0.080249	0.115433	0.345323	0.114263	0.022112
A	TOG_STR	0.12892	0.397326	0.18156	0.378232	0.349348	0.165654	0.492673
S	CH4_IDLE	0	0	0	0	0.005833	0.004142	0.016602
S	CH4_RUN	0.00662	0.021807	0.009713	0.018831	0.016232	0.006811	0.009295
S	CH4_STRE	0.00728	0.022372	0.010235	0.021382	0.022476	0.010685	0.064901
S	CO_IDLE	0	0	0	0	0.14999	0.126725	0.336294
S	CO_RUN	0.881741	2.518008	1.236225	2.234251	1.388723	0.704041	0.662891
S	CO_STRE	1.382993	4.065551	1.949029	3.54753	2.891367	1.418236	6.911283
S	CO2_NBIC	0	0	0	0	9.228524	14.37604	166.8714
S	CO2_NBIC	308.8486	371.0482	421.6426	569.2398	625.6011	626.6735	1105.653
S	CO2_NBIC	63.34746	75.92188	86.73614	115.4727	32.09282	25.83146	56.04483
S	NOX_IDLE	0	0	0	0	0.087359	0.120835	1.250315
S	NOX_RUN	0.062032	0.201148	0.11098	0.217889	2.366204	2.009435	2.227596
S	NOX_STRE	0.108921	0.274895	0.206673	0.402079	1.016129	0.594858	11.64689



## tblVehicleEF

S	PM10_IDLI	0	0	0	0	0.000953	0.001318	0.004015
S	PM10_PMI	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034
S	PM10_PM*	0.008	0.008	0.008	0.008	0.01003	0.010681	0.012
S	PM10_RUI	0.001748	0.003207	0.001736	0.00191	0.015909	0.015472	0.070515
S	PM10_STF	0.002341	0.004357	0.002435	0.002718	0.001154	0.000499	0.001016
S	PM25_IDLI	0	0	0	0	0.000912	0.001261	0.003841
S	PM25_PMI	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586
S	PM25_PM*	0.002	0.002	0.002	0.002	0.002507	0.00267	0.003
S	PM25_RUI	0.001612	0.002954	0.001597	0.001763	0.015194	0.014791	0.06746
S	PM25_STF	0.002153	0.004008	0.00224	0.002504	0.001063	0.000459	0.000936
S	ROG_DIUF	0.121658	0.450842	0.161328	0.213405	0.007839	0.003148	0.003561
S	ROG_HTS	0.158026	0.504899	0.190327	0.25285	0.136469	0.056751	0.065595
S	ROG_IDLE	0	0	0	0	0.017791	0.015002	0.034246
S	ROG_RES	0.096515	0.322608	0.132567	0.183292	0.004349	0.00182	0.002049
S	ROG_RUN	0.016667	0.056059	0.024578	0.054878	0.100551	0.073885	0.116909
S	ROG_RUN	0.039983	0.240104	0.079883	0.115003	0.348962	0.115283	0.022481
S	ROG_STR	0.098181	0.301787	0.138053	0.288578	0.30321	0.144115	0.42771
S	SO2_IDLE	0	0	0	0	0.000092	0.00014	0.001602
S	SO2_RUNI	0.003096	0.003745	0.004229	0.005716	0.006149	0.006102	0.010603
S	SO2_STRE	0.000657	0.000832	0.000901	0.001218	0.000376	0.000285	0.000682
S	TOG_DIUF	0.121658	0.450842	0.161328	0.213405	0.007839	0.003148	0.003561
S	TOG_HTSI	0.158026	0.504899	0.190327	0.25285	0.136469	0.056751	0.065595
S	TOG_IDLE	0	0	0	0	0.024743	0.020168	0.044829
S	TOG_RES	0.096515	0.322608	0.132567	0.183292	0.004349	0.00182	0.002049
S	TOG_RUN	0.024209	0.080892	0.035628	0.076455	0.12475	0.08713	0.136543
S	TOG_RUN	0.039983	0.240104	0.079883	0.115003	0.348962	0.115283	0.022481
S	TOG_STR	0.107491	0.330373	0.151138	0.31583	0.331919	0.157777	0.468171
W	CH4_IDLE	0	0	0	0	0.005833	0.004142	0.019133
W	CH4_RUNI	0.005631	0.018708	0.008321	0.01619	0.015815	0.006713	0.009171
W	CH4_STRE	0.008665	0.02661	0.012193	0.025406	0.023378	0.011109	0.067501
W	CO_IDLE	0	0	0	0	0.14999	0.126725	0.638552
W	CO_RUNE	0.678953	2.00425	0.963008	1.766627	1.361597	0.697617	0.654906
W	CO_STRE	1.645211	4.850596	2.319328	4.180974	3.031808	1.488592	7.254332
W	CO2_NBIC	0	0	0	0	9.228524	14.37604	144.6464
W	CO2_NBIC	275.9058	333.6415	377.7805	511.982	625.6011	626.6735	1105.653
W	CO2_NBIC	63.34746	75.92188	86.73614	115.4727	32.09282	25.83146	56.04483
W	NOX_IDLE	0	0	0	0	0.087359	0.120835	1.157524
W	NOX_RUN	0.064668	0.213392	0.116263	0.229038	2.48469	2.103748	2.331253
W	NOX_STR	0.115262	0.291412	0.218675	0.425608	1.050935	0.613786	11.68307
W	PM10_IDLI	0	0	0	0	0.000953	0.001318	0.005795
W	PM10_PMI	0.03675	0.03675	0.03675	0.03675	0.07644	0.08918	0.13034
W	PM10_PM*	0.008	0.008	0.008	0.008	0.01003	0.010681	0.012
W	PM10_RUI	0.001748	0.003207	0.001736	0.00191	0.015909	0.015472	0.070515
W	PM10_STF	0.002341	0.004357	0.002435	0.002718	0.001154	0.000499	0.001016
W	PM25_IDLI	0	0	0	0	0.000912	0.001261	0.005544
W	PM25_PMI	0.01575	0.01575	0.01575	0.01575	0.03276	0.03822	0.05586
W	PM25_PM*	0.002	0.002	0.002	0.002	0.002507	0.00267	0.003
W	PM25_RUI	0.001612	0.002954	0.001597	0.001763	0.015194	0.014791	0.06746
W	PM25_STF	0.002153	0.004008	0.00224	0.002504	0.001063	0.000459	0.000936
W	ROG_DIUF	0.060777	0.231824	0.079676	0.103616	0.004411	0.001737	0.002011
W	ROG_HTS	0.147453	0.471695	0.176992	0.237837	0.134743	0.055701	0.062118
W	ROG_IDLE	0	0	0	0	0.017791	0.015002	0.03937

## tblVehicleEF

W	ROG_RES	0.041455	0.136268	0.057151	0.081407	0.001845	0.000801	0.000852
W	ROG_RUN	0.014192	0.04812	0.021065	0.04835	0.099555	0.073649	0.116609
W	ROG_RUN	0.045169	0.281793	0.093143	0.132968	0.3721	0.123315	0.024035
W	ROG_STR	0.116871	0.358955	0.164463	0.342866	0.315369	0.149838	0.44483
W	SO2_IDLE	0	0	0	0	0.000092	0.00014	0.001393
W	SO2_RUNI	0.002764	0.003364	0.003787	0.005137	0.006149	0.006102	0.010603
W	SO2_STRE	0.000662	0.000846	0.000908	0.00123	0.000378	0.000286	0.000688
W	TOG_DIUF	0.060777	0.231824	0.079676	0.103616	0.004411	0.001737	0.002011
W	TOG_HTSI	0.147453	0.471695	0.176992	0.237837	0.134743	0.055701	0.062118
W	TOG_IDLE	0	0	0	0	0.024743	0.020168	0.051557
W	TOG_RES	0.041455	0.136268	0.057151	0.081407	0.001845	0.000801	0.000852
W	TOG_RUN	0.02061	0.069427	0.030533	0.066926	0.12328	0.086784	0.136102
W	TOG_RUN	0.045169	0.281793	0.093143	0.132968	0.3721	0.123315	0.024035
W	TOG_STR	0.127954	0.392958	0.180051	0.375254	0.345234	0.164044	0.486918

## tblVehicleEF

HHD	OBUS	UBUS	MCY	SBUS	MH
1.297794	0.012647	0	0	0.878688	0
0.036285	0.015446	2.179148	0.409129	0.014391	0.048025
0.148342	0.035986	0.093463	0.161599	0.082238	0.03717
3.951112	0.274993	0	0	5.436141	0
0.606092	0.978998	10.98288	22.23324	0.837334	5.123127
2.32982	7.522802	16.02611	9.880617	5.791428	8.107755
7067.051	68.9264	0	0	1293.735	0
1525.941	1130.716	1898.462	165.54	1160.247	1047.383
6.577688	72.04153	131.841	47.79208	34.04071	63.99556
31.41078	0.38671	0	0	13.92943	0
3.551901	1.49098	7.837431	1.180401	5.979008	1.820703
20.16324	2.078324	14.21429	0.312953	15.64207	1.021251
0.025423	0.000211	0	0	0.017104	0
0.061058	0.13034	0.533271	0.01176	0.7448	0.13034
0.035534	0.012	0.012	0.004	0.011114	0.012864
0.018865	0.007034	0.090867	0.001724	0.034125	0.041639
0.000102	0.000902	0.001353	0.003947	0.000524	0.001824
0.024323	0.000202	0	0	0.016364	0
0.026168	0.05586	0.228545	0.00504	0.3192	0.05586
0.008884	0.003	0.003	0.001	0.002778	0.003216
0.018049	0.00671	0.086896	0.001619	0.032637	0.039779
0.000095	0.00083	0.001245	0.003735	0.000481	0.001695
0.000127	0.00236	0.009044	1.442747	0.003722	1.742442
0.005244	0.021662	0.131555	0.863034	0.026697	0.103358
1.021625	0.037196	0	0	0.654946	0
0.000076	0.00098	0.004314	0.806485	0.001431	0.5854
0.098188	0.061116	0.784297	2.312682	0.131141	0.162226
0.000356	0.052881	0.02368	0.513163	0.015223	0.029801
0.087624	0.464935	1.260607	2.206887	0.301259	0.502591
0.066803	0.00067	0	0	0.012517	0
0.014371	0.011108	0.010807	0.002084	0.011144	0.010449
0.000105	0.000853	0.001609	0.000705	0.000441	0.000783
0.000127	0.00236	0.009044	1.442747	0.003722	1.742442
0.005244	0.021662	0.131555	0.863034	0.026697	0.103358
1.172432	0.051661	0	0	0.9324	0
0.000076	0.00098	0.004314	0.806485	0.001431	0.5854
0.143644	0.080871	3.047555	2.803061	0.156738	0.21902
0.000356	0.052881	0.02368	0.513163	0.015223	0.029801
0.095858	0.509013	1.380119	2.40017	0.32984	0.549506
1.225077	0.012625	0	0	0.877973	0
0.036313	0.015884	2.184404	0.399544	0.014687	0.050181
0.141106	0.033898	0.083254	0.138609	0.066878	0.034995
2.884902	0.265154	0	0	5.260753	0
0.60966	1.004408	11.10393	22.3515	0.854152	5.30527
2.201245	6.895016	13.13606	9.084833	3.969411	7.465975
7480.596	71.97386	0	0	1360.623	0
1525.941	1130.716	1898.462	165.54	1160.247	1047.383
6.577688	72.04153	131.841	47.79208	34.04071	63.99556
32.40297	0.399071	0	0	14.37594	0
3.344703	1.382556	7.288955	1.000087	5.603829	1.656126
20.15356	2.01732	14.0882	0.290814	15.61004	0.967866

## tblVehicleEF

0.022542	0.000178	0	0	0.014419	0
0.061058	0.13034	0.533271	0.01176	0.7448	0.13034
0.035534	0.012	0.012	0.004	0.011114	0.012864
0.018865	0.007034	0.090867	0.001724	0.034125	0.041639
0.000102	0.000902	0.001353	0.003947	0.000524	0.001824
0.021567	0.00017	0	0	0.013795	0
0.026168	0.05586	0.228545	0.00504	0.3192	0.05586
0.008884	0.003	0.003	0.001	0.002778	0.003216
0.018049	0.00671	0.086896	0.001619	0.032637	0.039779
0.000095	0.00083	0.001245	0.003735	0.000481	0.001695
0.000257	0.004617	0.017168	3.140933	0.00719	3.500436
0.006114	0.024759	0.163677	1.281911	0.030083	0.125568
0.964695	0.036728	0	0	0.650764	0
0.000182	0.002295	0.010358	2.151544	0.003289	1.442974
0.09825	0.06219	0.796961	2.241218	0.131874	0.166063
0.000368	0.053269	0.023317	0.510155	0.013991	0.029829
0.083353	0.437966	1.122908	1.892789	0.244992	0.473242
0.070712	0.000699	0	0	0.013155	0
0.014371	0.011108	0.010809	0.002083	0.011144	0.010452
0.000103	0.000842	0.001559	0.000682	0.00041	0.000772
0.000257	0.004617	0.017168	3.140933	0.00719	3.500436
0.006114	0.024759	0.163677	1.281911	0.030083	0.125568
1.10708	0.051127	0	0	0.927639	0
0.000182	0.002295	0.010358	2.151544	0.003289	1.442974
0.143737	0.082442	3.066186	2.719771	0.157808	0.225279
0.000368	0.053269	0.023317	0.510155	0.013991	0.029829
0.091184	0.479486	1.229369	2.05864	0.268235	0.517385
1.398214	0.012679	0	0	0.879676	0
0.036287	0.01549	2.179603	0.402799	0.014398	0.048128
0.146048	0.035798	0.092017	0.155627	0.083413	0.036691
5.423496	0.288582	0	0	5.678342	0
0.605975	0.980881	10.9864	21.18004	0.837547	5.071251
2.282422	7.46483	15.48926	9.489798	5.846734	7.972568
6495.966	64.71801	0	0	1201.366	0
1525.941	1130.716	1898.462	165.54	1160.247	1047.383
6.577688	72.04153	131.841	47.79208	34.04071	63.99556
30.04062	0.369639	0	0	13.31282	0
3.49991	1.462479	7.690981	1.137852	5.888032	1.77789
20.16049	2.06022	14.19178	0.308801	15.64266	1.005313
0.029402	0.000257	0	0	0.020812	0
0.061058	0.13034	0.533271	0.01176	0.7448	0.13034
0.035534	0.012	0.012	0.004	0.011114	0.012864
0.018865	0.007034	0.090867	0.001724	0.034125	0.041639
0.000102	0.000902	0.001353	0.003947	0.000524	0.001824
0.02813	0.000246	0	0	0.019912	0
0.026168	0.05586	0.228545	0.00504	0.3192	0.05586
0.008884	0.003	0.003	0.001	0.002778	0.003216
0.018049	0.00671	0.086896	0.001619	0.032637	0.039779
0.000095	0.00083	0.001245	0.003735	0.000481	0.001695
0.000134	0.002578	0.010513	1.706999	0.004179	2.131257
0.006204	0.023682	0.165406	1.157619	0.030677	0.135825
1.100243	0.037844	0	0	0.660723	0

## tblVehicleEF

0.000075	0.000998	0.004549	0.721742	0.001452	0.616395
0.09819	0.061218	0.785248	2.270583	0.131159	0.161677
0.000379	0.056372	0.027795	0.580604	0.018476	0.031388
0.086263	0.462511	1.24109	2.125236	0.305564	0.496076
0.061406	0.00063	0	0	0.011636	0
0.014371	0.011108	0.010807	0.002066	0.011144	0.010448
0.000104	0.000852	0.0016	0.000696	0.000442	0.00078
0.000134	0.002578	0.010513	1.706999	0.004179	2.131257
0.006204	0.023682	0.165406	1.157619	0.030677	0.135825
1.262679	0.052398	0	0	0.938976	0
0.000075	0.000998	0.004549	0.721742	0.001452	0.616395
0.143649	0.081022	3.04902	2.753252	0.156765	0.218573
0.000379	0.056372	0.027795	0.580604	0.018476	0.031388
0.094373	0.506361	1.358756	2.311423	0.334554	0.54241

tblRoadDust

RoadPerce	RoadSiltLo	MaterialSilt	MaterialMo	MobileAver	MeanVehic	CARB_PM_VMT
100	0.1	4.3	0.5	2.4	40	0

tblWoodstoves

Woodstove NumberCo NumberCa NumberNo NumberPe Woodstove WoodstoveWoodMass

tblFireplaces

FireplacesI NumberWc NumberGa NumberPrc NumberNo FireplaceH FireplaceD FireplaceWoodMass



tblConsumerProducts

ROG_EF	ROG_EF_I	ROG_EF_Pesticides	Fertilizers
1.98E-05	3.54E-07	5.15E-08	

tblAreaCoating

Area_EF_F	Area_Resic	Area_EF_F	Area_Resic	Area_EF_1	Area_Nonr	Area_EF_1	Area_Nonr	Reapplicati
50	0	50	0	100	983619	100	327873	10

tblAreaCoating

Area_EF_F	Area_Parking
100	213698

tblLandscapeEquipment

NumberSn	NumberSummerDays
0	250

tblEnergyUse

EnergyUse	T24E	NT24E	LightingEle	T24NG	NT24NG
Other Non-	0	0	0	0	0
Parking Lo	0	0	0.35	0	0
Unrefrigera	0.37	0.82	1.17	2	0.03

tblWater

WaterLand	WaterLand	IndoorWater	OutdoorWater	ElectricityLr	ElectricityLr	ElectricityLr	ElectricityLr	SepticTank
Other Non- Acre		0	0	9727	111	1272	1911	10.33
Parking Lot Space		0	0	9727	111	1272	1911	10.33
Unrefrigerated 1000sqft	14600000		0	9727	111	1272	1911	10.33

tblWater

AerobicPer	Anaerobic	AnaDigest	AnaDigest	Cogen	Comb	Digest	Gas	Percent
87.46	2.21	100	0					
87.46	2.21	100	0					
87.46	2.21	100	0					

tblSolidWaste

SolidWaste	SolidWaste	SolidWaste	LandfillNoC	LandfillCap	LandfillCapture	GasEnergyRecovery
Other Non- Acre		0	6	94	0	
Parking Lo Space		0	6	94	0	
Unrefrigera 1000sqft		616.4	6	94	0	



tblLandUseChange

Vegetation|Vegetation|AcresBegin AcresEnd CO2peracre

BroadSpec NumberOf CO2perTree

tblConstEquipMitigation

ConstMitig: FuelType	Tier	NumberOf	TotalNumb	DPF	OxidationCatalyst
Concrete/Tr Diesel	No Change	0	0	No Change	0
Excavators Diesel	No Change	0	0	No Change	0
Rubber Tire Diesel	No Change	0	0	No Change	0

tblConstDustMitigation

SoilStabiliz	SoilStabiliz	SoilStabiliz	ReplaceGr	ReplaceGr	ReplaceGr	WaterExpo	WaterExpo	WaterExpo
0			0			0		

tblConstDustMitigation

WaterExpc	WaterUnpæ	WaterUnpæ	WaterUnpæ	WaterUnpæ	CleanPavedRoadPercentReduction
	0	0		0	0

tblLandUseMitigation

ProjectSett IncreaseD€ IncreaseD€ IncreaseD€ IncreaseDi ImproveW€ ImproveW€ ImproveDe ImproveDe

tblLandUseMitigation

IncreaseTr IncreaseTr IntegrateBe IntegrateBe ImprovePe ImprovePe ProvideTra ProvideTra ProvideTra

tblLandUseMitigation

Implementl LimitParkin LimitParkin UnbundleP UnbundleP OnStreetM OnStreetM ProvideBR` ProvideBR`



tblLandUseMitigation

ExpandTra ExpandTra IncreaseTr IncreaseTr IncreaseTransitFrequencyHeadwaysPercentReduction

tblCommuterMitigation

Implement	Implement	Implement	TransitSub	TransitSub	TransitSub	Implement	Implement	Workplace
0			0			0		0

tblCommuteMitigation

Workplace	Workplace	Encourage	Encourage	Encourage	Encourage	MarketCorr	MarketCorr	EmployeeV
		0				0		0

tblCommuteMitigation

Employee\	Employee\	ProvideRid	ProvideRid	Implement!	Implement	SchoolBusProgram	PercentFamilyL
	2		0		0		

Ising

tblAreaMitigation

Landscape	Landscape	Landscape	Landscape	Landscape	Landscape	UseLowVC	UseLowVC	UseLowVC
0		0		0		0	50	0

tblAreaMitigation

UseLowVC	UseLowVC	UseLowVC	UseLowVC	UseLowVC	HearthOnly	NoHearthC	UseLowVC	UseLowVC
50	0	100	0	100	0	0	0	0

tblAreaMitigation

UseLowVOCPaintParkingValue  
100



tblEnergyMitigation

ExceedTitl	ExceedTitl	InstallHigh	InstallHigh	OnSiteRen	KwhGener	KwhGener	PercentOfE	PercentOfE
0	0	0	0	1	1	6570000	0	0

ElectricityUseGenerated

tblApplianceMitigation

ApplianceT	ApplianceL	PercentImprovement
ClothWasher		30
DishWasher		15
Fan		50
Refrigerator		15

tblWaterMitigation

ApplyWate	ApplyWate	ApplyWate	UseReclair	PercentOu	PercentInd	UseGreyW	PercentOu	PercentInd
0			0			0		

tblWaterMitigation

InstallLowF	PercentRe	InstallLowF	PercentRe	InstallLowF	PercentRe	InstallLowF	PercentRe	TurfReduct
0	32	0	18	0	20	0	20	0

tblWaterMitigation

TurfReduct	TurfReduct	UseWaterE	UseWaterE	WaterEffici	MAWA	ETWU
		0	6.1	0		

InstituteRe InstituteRecyclingAndCompostingServicesWastePercentReduction

tblOperationalOffRoadEquipment

OperOffRo OperOffRo OperHours OperDaysF OperHorse OperLoadF OperFuelType



tblFleetMix

FleetMixLa LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	
Other Non-	0.54174	0.038987	0.17862	0.126833	0.019742	0.005671	0.01707	0.060066
Parking Lo	0.54174	0.038987	0.17862	0.126833	0.019742	0.005671	0.01707	0.060066
Unrefrigera	1	0	0	0	0	0	0	0

tblFleetMix

OBUS	UBUS	MCY	SBUS	MH
0.001326	0.001715	0.006244	0.000823	0.001163
0.001326	0.001715	0.006244	0.000823	0.001163
0	0	0	0	0

tblStationaryGeneratorsPumpsUse

Generators NumberOf Generators HorsePower Load\_Factor HoursPerD HoursPerY GeneratorsPumpsEqui

ipmentDescription

tblStationaryBoilersUse

BoilerEquip NumberOf BoilerFuelT BoilerRatin DailyHeatlr AnnualHea BoilerEquipmentDescription

tblStationaryUserDefined

UserDefine UserDefine TOG\_lb\_d: TOG\_tpy ROG\_lb\_d: ROG\_tpy CO\_lb\_day CO\_tpy NOX\_lb\_d:

tblStationaryUserDefined

NOX\_tpy SO2\_lb\_da SO2\_tpy PM10\_lb\_c PM10\_tpy PM2\_5\_lb\_ PM2\_5\_tpy CO2\_lb\_da CO2\_tpy

tblStationaryUserDefined

CH4\_lb\_da CH4\_tpy



tblStationaryGeneratorsPumpsEF

Generators TOG\_EF TOG\_EF\_I ROG\_EF ROG\_EF\_I CO\_EF\_U NOX\_EF NOX\_EF\_U

tblStationaryGeneratorsPumpsEF

SO2\_EF SO2\_EF\_L PM10\_EF PM10\_EF\_ PM2\_5\_EF PM2\_5\_EF CO2\_EF CO2\_EF\_L CH4\_EF

CH4\_EF\_UOM

tblStationaryBoilersEF

BoilerEquip TOG\_EF TOG\_EF\_I ROG\_EF ROG\_EF\_I CO\_EF\_U NOX\_EF NOX\_EF\_U

tblStationaryBoilersEF

SO2\_EF SO2\_EF\_L PM10\_EF PM10\_EF\_ PM2\_5\_EF PM2\_5\_EF CO2\_EF CO2\_EF\_L CH4\_EF

CH4\_EF\_UOM

tblRemarks

SubModule	PhaseNam	Season	Remarks
1			
3			Total Project Area is 97.33 acres.
4			Operations Run Only.
5	Demolition		Operations Run Only.
6			Operations Run Only.
12			Operations Run Only.
21			As per the Project Description, the Project Water Demand is 40,000 t
30			
35			Operations Run Only.

tblRemarks

GPD.



Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**Eastgate Building I (2019 Operations (with Solar) - Passenger Cars)**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	655.75	1000sqft	15.05	655,746.00	0
Other Non-Asphalt Surfaces	50.12	Acre	50.12	2,183,227.20	0
Parking Lot	3,446.00	Space	31.01	1,378,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

Project Characteristics -

Land Use - Total Project Area is 97.33 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Operations Run Only.

Water And Wastewater - As per the Project Description, the Project Water Demand is 40,000 GPD.

Energy Mitigation -

Fleet Mix - Operations Run Only.

## Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblFleetMix	HHD	0.06	0.00
tblFleetMix	LDA	0.54	1.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.6710e-003	0.00
tblFleetMix	MCY	6.2440e-003	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	1.1630e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3260e-003	0.00
tblFleetMix	SBUS	8.2300e-004	0.00
tblFleetMix	UBUS	1.7150e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	5.02
tblVehicleTrips	SU_TR	1.68	5.02
tblVehicleTrips	WD_TR	1.68	5.02
tblWater	IndoorWaterUseRate	151,642,187.50	14,600,000.00





Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
Energy	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
Mobile	5.7389	8.2685	116.3303	0.3780	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		37,689.4708	37,689.4708	0.8509		37,710.7422
<b>Total</b>	<b>22.0009</b>	<b>8.6300</b>	<b>117.0586</b>	<b>0.3802</b>	<b>41.5390</b>	<b>0.2564</b>	<b>41.7954</b>	<b>11.0115</b>	<b>0.2387</b>	<b>11.2502</b>		<b>38,119.4413</b>	<b>38,119.4413</b>	<b>0.8615</b>	<b>7.8700e-003</b>	<b>38,143.3240</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	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
Energy	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
Mobile	5.7389	8.2685	116.3303	0.3780	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		37,689.4708	37,689.4708	0.8509		37,710.7422
<b>Total</b>	<b>22.0009</b>	<b>8.6300</b>	<b>117.0586</b>	<b>0.3802</b>	<b>41.5390</b>	<b>0.2564</b>	<b>41.7954</b>	<b>11.0115</b>	<b>0.2387</b>	<b>11.2502</b>		<b>38,119.4413</b>	<b>38,119.4413</b>	<b>0.8615</b>	<b>7.8700e-003</b>	<b>38,143.3240</b>

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Demolition	Demolition	11/1/2018	11/1/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 81.13

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

#### 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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</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>0.0000</b>



Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2018**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</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>

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</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>0.0000</b>

**4.0 Operational Detail - Mobile**

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Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7389	8.2685	116.3303	0.3780	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		37,689.4708	37,689.4708	0.8509		37,710.7422
Unmitigated	5.7389	8.2685	116.3303	0.3780	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		37,689.4708	37,689.4708	0.8509		37,710.7422

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	3,293.81	3,293.81	3,293.81	19,902,531	19,902,531
<b>Total</b>	<b>3,293.81</b>	<b>3,293.81</b>	<b>3,293.81</b>	<b>19,902,531</b>	<b>19,902,531</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.541740	0.038987	0.178620	0.126833	0.019742	0.005671	0.017070	0.060066	0.001326	0.001715	0.006244	0.000823	0.001163
Parking Lot	0.541740	0.038987	0.178620	0.126833	0.019742	0.005671	0.017070	0.060066	0.001326	0.001715	0.006244	0.000823	0.001163
Unrefrigerated Warehouse-No Rail	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Kilowatt Hours of Renewable Electricity Generated

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
NaturalGas Unmitigated	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3647.03	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
<b>Total</b>		<b>0.0393</b>	<b>0.3576</b>	<b>0.3003</b>	<b>2.1500e-003</b>		<b>0.0272</b>	<b>0.0272</b>		<b>0.0272</b>	<b>0.0272</b>		<b>429.0619</b>	<b>429.0619</b>	<b>8.2200e-003</b>	<b>7.8700e-003</b>	<b>431.6116</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	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.64703	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
<b>Total</b>		<b>0.0393</b>	<b>0.3576</b>	<b>0.3003</b>	<b>2.1500e-003</b>		<b>0.0272</b>	<b>0.0272</b>		<b>0.0272</b>	<b>0.0272</b>		<b>429.0619</b>	<b>429.0619</b>	<b>8.2200e-003</b>	<b>7.8700e-003</b>	<b>431.6116</b>

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**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	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
Unmitigated	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, 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	1.9368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0406	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
<b>Total</b>	<b>16.2227</b>	<b>3.9800e-003</b>	<b>0.4280</b>	<b>3.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>0.9087</b>	<b>0.9087</b>	<b>2.4600e-003</b>		<b>0.9702</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	1.9368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0406	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
<b>Total</b>	<b>16.2227</b>	<b>3.9800e-003</b>	<b>0.4280</b>	<b>3.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>0.9087</b>	<b>0.9087</b>	<b>2.4600e-003</b>		<b>0.9702</b>

**7.0 Water Detail**

## Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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**

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**Eastgate Building I (2019 Operations (with Solar) - Passenger Cars)**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	655.75	1000sqft	15.05	655,746.00	0
Other Non-Asphalt Surfaces	50.12	Acre	50.12	2,183,227.20	0
Parking Lot	3,446.00	Space	31.01	1,378,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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



Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

Project Characteristics -

Land Use - Total Project Area is 97.33 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Operations Run Only.

Water And Wastewater - As per the Project Description, the Project Water Demand is 40,000 GPD.

Energy Mitigation -

Fleet Mix - Operations Run Only.

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	1.00
tblFleetMix	HHD	0.06	0.00
tblFleetMix	LDA	0.54	1.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.6710e-003	0.00
tblFleetMix	MCY	6.2440e-003	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	1.1630e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3260e-003	0.00
tblFleetMix	SBUS	8.2300e-004	0.00
tblFleetMix	UBUS	1.7150e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	5.02
tblVehicleTrips	SU_TR	1.68	5.02
tblVehicleTrips	WD_TR	1.68	5.02
tblWater	IndoorWaterUseRate	151,642,187.50	14,600,000.00





Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
Energy	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
Mobile	4.6962	8.6323	93.7898	0.3380	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		33,718.4565	33,718.4565	0.7417		33,736.9989
<b>Total</b>	<b>20.9582</b>	<b>8.9938</b>	<b>94.5181</b>	<b>0.3402</b>	<b>41.5390</b>	<b>0.2564</b>	<b>41.7954</b>	<b>11.0115</b>	<b>0.2387</b>	<b>11.2502</b>		<b>34,148.4270</b>	<b>34,148.4270</b>	<b>0.7524</b>	<b>7.8700e-003</b>	<b>34,169.5807</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	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
Energy	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
Mobile	4.6962	8.6323	93.7898	0.3380	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		33,718.4565	33,718.4565	0.7417		33,736.9989
<b>Total</b>	<b>20.9582</b>	<b>8.9938</b>	<b>94.5181</b>	<b>0.3402</b>	<b>41.5390</b>	<b>0.2564</b>	<b>41.7954</b>	<b>11.0115</b>	<b>0.2387</b>	<b>11.2502</b>		<b>34,148.4270</b>	<b>34,148.4270</b>	<b>0.7524</b>	<b>7.8700e-003</b>	<b>34,169.5807</b>

## Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Demolition	Demolition	11/1/2018	11/1/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 81.13

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

#### 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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</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>0.0000</b>

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2018**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</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>

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</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>0.0000</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>0.0000</b>

**4.0 Operational Detail - Mobile**

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Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6962	8.6323	93.7898	0.3380	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		33,718.4565	33,718.4565	0.7417		33,736.9989
Unmitigated	4.6962	8.6323	93.7898	0.3380	41.5390	0.2277	41.7667	11.0115	0.2100	11.2215		33,718.4565	33,718.4565	0.7417		33,736.9989

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	3,293.81	3,293.81	3,293.81	19,902,531	19,902,531
<b>Total</b>	<b>3,293.81</b>	<b>3,293.81</b>	<b>3,293.81</b>	<b>19,902,531</b>	<b>19,902,531</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.541740	0.038987	0.178620	0.126833	0.019742	0.005671	0.017070	0.060066	0.001326	0.001715	0.006244	0.000823	0.001163
Parking Lot	0.541740	0.038987	0.178620	0.126833	0.019742	0.005671	0.017070	0.060066	0.001326	0.001715	0.006244	0.000823	0.001163
Unrefrigerated Warehouse-No Rail	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
NaturalGas Unmitigated	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3647.03	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
<b>Total</b>		<b>0.0393</b>	<b>0.3576</b>	<b>0.3003</b>	<b>2.1500e-003</b>		<b>0.0272</b>	<b>0.0272</b>		<b>0.0272</b>	<b>0.0272</b>		<b>429.0619</b>	<b>429.0619</b>	<b>8.2200e-003</b>	<b>7.8700e-003</b>	<b>431.6116</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	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.64703	0.0393	0.3576	0.3003	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.0619	429.0619	8.2200e-003	7.8700e-003	431.6116
<b>Total</b>		<b>0.0393</b>	<b>0.3576</b>	<b>0.3003</b>	<b>2.1500e-003</b>		<b>0.0272</b>	<b>0.0272</b>		<b>0.0272</b>	<b>0.0272</b>		<b>429.0619</b>	<b>429.0619</b>	<b>8.2200e-003</b>	<b>7.8700e-003</b>	<b>431.6116</b>

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**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	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
Unmitigated	16.2227	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702

Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, 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	1.9368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0406	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
<b>Total</b>	<b>16.2227</b>	<b>3.9800e-003</b>	<b>0.4280</b>	<b>3.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>0.9087</b>	<b>0.9087</b>	<b>2.4600e-003</b>		<b>0.9702</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	1.9368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0406	3.9800e-003	0.4280	3.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003		0.9087	0.9087	2.4600e-003		0.9702
<b>Total</b>	<b>16.2227</b>	<b>3.9800e-003</b>	<b>0.4280</b>	<b>3.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>0.9087</b>	<b>0.9087</b>	<b>2.4600e-003</b>		<b>0.9702</b>

**7.0 Water Detail**

## Eastgate Building I (2019 Operations (with Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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**