

Eastgate Building I (2019 Operations (without Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

Eastgate Building I (2019 Operations (without 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

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

1.3 User Entered Comments & Non-Default Data

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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
Total	3.8059	1.7203	18.0464	0.0632	7.4159	0.0465	7.4625	1.9687	0.0433	2.0120	129.7555	6,464.1928	6,593.9483	8.0269	0.0186	6,800.1583

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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	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
Total	3.8059	1.7203	18.0464	0.0632	7.4159	0.0465	7.4625	1.9687	0.0433	2.0120	129.7555	6,464.1928	6,593.9483	8.0269	0.0186	6,800.1583

	ROG	NOx	CO	SO2	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

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

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

4.0 Operational Detail - Mobile

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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
Total	3,293.81	3,293.81	3,293.81	19,902,531	19,902,531

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	646.8017	646.8017	0.0267	5.5200e-003	649.1156
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	646.8017	646.8017	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
Total		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

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
Total		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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5.3 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
Total		646.8017	0.0267	5.5200e-003	649.1156

Mitigated

	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
Total		646.8017	0.0267	5.5200e-003	649.1156

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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
Total	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

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
Total	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

7.0 Water Detail

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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
Total		65.2039	0.4782	0.0118	80.6617

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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
Total		65.2039	0.4782	0.0118	80.6617

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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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
Total		125.1236	7.3946	0.0000	309.9885

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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
Total		125.1236	7.3946	0.0000	309.9885

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 (without Solar) - Passenger Cars) - San Bernardino-South Coast County, Annual

11.0 Vegetation

tblProjectCharacteristics

ProjectName	Location	Sc	EMFAC_ID	WindSpeed	Precipitation	ClimateZone	Urbanization	Operational	UtilityCompany
Eastgate B C			SBERNSC	2.2	32	10	Urban	2019	Southern C

tblProjectCharacteristics

CO2Intensi	CH4Intensi	N2OIntensi	TotalPopul	TotalLotAc	UsingHisto	ConstructionPhaseStartDate
702.44	0.029	0.006	0	96.18	0	2018/11/01

tblPollutants

PollutantSeq	PollutantFul	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-Biogeni	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_Parkinç 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_IDLEX	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	Electricity	Electricity	Electricity	Electricity	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	LandfillCaptureGas	EnergyRecovery
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 IntegrateBε IntegrateBε 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

UseLowVOCPaintParkingValue
100

tblEnergyMitigation

ExceedTitl ExceedTitl InstallHigh InstallHigh OnSiteRen KwhGener: KwhGener: PercentOfE PercentOfE

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_daCH4_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 (without Solar) - Passenger Cars) - San Bernardino-South Coast County, Summer

Eastgate Building I (2019 Operations (without 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

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

1.3 User Entered Comments & Non-Default Data

Eastgate Building I (2019 Operations (without 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 (without 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 (without 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
Total	22.0009	8.6300	117.0586	0.3802	41.5390	0.2564	41.7954	11.0115	0.2387	11.2502		38,119.4413	38,119.4413	0.8615	7.8700e-003	38,143.3240

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
Total	22.0009	8.6300	117.0586	0.3802	41.5390	0.2564	41.7954	11.0115	0.2387	11.2502		38,119.4413	38,119.4413	0.8615	7.8700e-003	38,143.3240

Eastgate Building I (2019 Operations (without 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 (without 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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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

Eastgate Building I (2019 Operations (without 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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Eastgate Building I (2019 Operations (without 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
Total	3,293.81	3,293.81	3,293.81	19,902,531	19,902,531

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 (without 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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 (without 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
Total		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

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
Total		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 (without 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 (without 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
Total	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

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
Total	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

7.0 Water Detail

Eastgate Building I (2019 Operations (without 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 (without Solar) - Passenger Cars) - San Bernardino-South Coast County, Winter

**Eastgate Building I (2019 Operations (without 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

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

1.3 User Entered Comments & Non-Default Data

Eastgate Building I (2019 Operations (without 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 (without 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 (without 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
Total	20.9582	8.9938	94.5181	0.3402	41.5390	0.2564	41.7954	11.0115	0.2387	11.2502		34,148.4270	34,148.4270	0.7524	7.8700e-003	34,169.5807

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
Total	20.9582	8.9938	94.5181	0.3402	41.5390	0.2564	41.7954	11.0115	0.2387	11.2502		34,148.4270	34,148.4270	0.7524	7.8700e-003	34,169.5807

Eastgate Building I (2019 Operations (without 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 (without 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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

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

Eastgate Building I (2019 Operations (without 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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

Eastgate Building I (2019 Operations (without 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
Total	3,293.81	3,293.81	3,293.81	19,902,531	19,902,531

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 (without 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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 (without 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
Total		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

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
Total		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 (without 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 (without 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
Total	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

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
Total	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

7.0 Water Detail

Eastgate Building I (2019 Operations (without 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