

Phase 2 Existing Buildings - Sacramento County, Annual

**Phase 2 Existing Buildings**  
**Sacramento County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	76.00	1000sqft	1.74	76,000.00	0
Strip Mall	7.20	1000sqft	0.17	7,201.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2023
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	529.47	<b>CH4 Intensity (lb/MWhr)</b>	0.013	<b>N2O Intensity (lb/MWhr)</b>	0.002

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

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Project Characteristics - SMUD intensity factor adjusted for 2020 RPS compliance (33%).

Land Use - 9650 and 2521 West Taron Court demoed under Phase 2

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Grading -

Trips and VMT - Operation only

Architectural Coating - Operation only

Vehicle Trips - Existing mobile sources modeled separately

Energy Use - Building constructed to 2008 Title 24 standards. Historical data used.

Water And Wastewater - Landscaping and building water provided in water demand table by applicant for existing building

Stationary Sources - Emergency Generators and Fire Pumps - Cat C15 Diesel generator 400 ekW

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	41,601.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	124,802.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	200.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	4.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	PhaseEndDate	9/21/2020	9/7/2020

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tblConstructionPhase	PhaseEndDate	8/24/2020	11/18/2019
tblConstructionPhase	PhaseEndDate	11/8/2019	10/13/2019
tblConstructionPhase	PhaseEndDate	11/18/2019	11/12/2019
tblConstructionPhase	PhaseEndDate	9/7/2020	8/24/2020
tblConstructionPhase	PhaseEndDate	11/12/2019	11/8/2019
tblEnergyUse	LightingElect	4.50	3.71
tblEnergyUse	LightingElect	6.45	5.33
tblEnergyUse	T24E	6.76	4.98
tblEnergyUse	T24E	4.20	3.26
tblEnergyUse	T24NG	15.15	12.42
tblEnergyUse	T24NG	5.52	4.49
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.013
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	536.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	96.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	VendorTripNumber	14.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	27.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	13,507,764.85	2,711,181.00
tblWater	OutdoorWaterUseRate	8,278,952.65	1,740,903.00

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		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	0.3636	1.0000e-005	1.0600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0600e-003	2.0600e-003	1.0000e-005	0.0000	2.2000e-003
Energy	5.5800e-003	0.0507	0.0426	3.0000e-004		3.8500e-003	3.8500e-003		3.8500e-003	3.8500e-003	0.0000	338.7175	338.7175	8.0200e-003	2.0800e-003	339.5387
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0422	0.1180	0.1077	2.0000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	19.5943	19.5943	2.7500e-003	0.0000	19.6630
Waste						0.0000	0.0000		0.0000	0.0000	15.8820	0.0000	15.8820	0.9386	0.0000	39.3470
Water						0.0000	0.0000		0.0000	0.0000	1.1479	5.6206	6.7685	4.0900e-003	2.5200e-003	7.6210
<b>Total</b>	<b>0.4114</b>	<b>0.1687</b>	<b>0.1513</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>0.0101</b>	<b>0.0101</b>	<b>17.0299</b>	<b>363.9345</b>	<b>380.9644</b>	<b>0.9535</b>	<b>4.6000e-003</b>	<b>406.1719</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3636	1.0000e-005	1.0600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0600e-003	2.0600e-003	1.0000e-005	0.0000	2.2000e-003
Energy	5.5800e-003	0.0507	0.0426	3.0000e-004		3.8500e-003	3.8500e-003		3.8500e-003	3.8500e-003	0.0000	338.7175	338.7175	8.0200e-003	2.0800e-003	339.5387
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0422	0.1180	0.1077	2.0000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	19.5943	19.5943	2.7500e-003	0.0000	19.6630
Waste						0.0000	0.0000		0.0000	0.0000	15.8820	0.0000	15.8820	0.9386	0.0000	39.3470
Water						0.0000	0.0000		0.0000	0.0000	1.1479	5.6206	6.7685	4.0900e-003	2.5200e-003	7.6210
<b>Total</b>	<b>0.4114</b>	<b>0.1687</b>	<b>0.1513</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>0.0101</b>	<b>0.0101</b>	<b>17.0299</b>	<b>363.9345</b>	<b>380.9644</b>	<b>0.9535</b>	<b>4.6000e-003</b>	<b>406.1719</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/14/2019	10/13/2019	5	0	
2	Site Preparation	Site Preparation	11/9/2019	11/8/2019	5	0	
3	Grading	Grading	11/13/2019	11/12/2019	5	0	
4	Building Construction	Building Construction	11/19/2019	11/18/2019	5	0	
5	Paving	Paving	8/25/2020	8/24/2020	5	0	
6	Architectural Coating	Architectural Coating	9/8/2020	9/7/2020	5	0	

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**



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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Site Preparation	Graders	0	8.00	187	0.41
Paving	Pavers	0	6.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	0	6.00	187	0.41
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Building Construction	Welders	0	8.00	46	0.45

**Trips and VMT**



























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**3.7 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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	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>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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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
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.562895	0.037862	0.207220	0.115570	0.017815	0.005092	0.018559	0.023754	0.002009	0.001969	0.005819	0.000618	0.000817
Strip Mall	0.562895	0.037862	0.207220	0.115570	0.017815	0.005092	0.018559	0.023754	0.002009	0.001969	0.005819	0.000618	0.000817

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**5.0 Energy Detail**

Historical Energy Use: Y

**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	283.5099	283.5099	6.9600e-003	1.0700e-003	284.0030
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	283.5099	283.5099	6.9600e-003	1.0700e-003	284.0030
NaturalGas Mitigated	5.5800e-003	0.0507	0.0426	3.0000e-004		3.8500e-003	3.8500e-003		3.8500e-003	3.8500e-003	0.0000	55.2076	55.2076	1.0600e-003	1.0100e-003	55.5357
NaturalGas Unmitigated	5.5800e-003	0.0507	0.0426	3.0000e-004		3.8500e-003	3.8500e-003		3.8500e-003	3.8500e-003	0.0000	55.2076	55.2076	1.0600e-003	1.0100e-003	55.5357



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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	995557	5.3700e-003	0.0488	0.0410	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	53.1267	53.1267	1.0200e-003	9.7000e-004	53.4425
Strip Mall	38993.9	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0809	2.0809	4.0000e-005	4.0000e-005	2.0932
<b>Total</b>		<b>5.5800e-003</b>	<b>0.0507</b>	<b>0.0426</b>	<b>3.0000e-004</b>		<b>3.8600e-003</b>	<b>3.8600e-003</b>		<b>3.8600e-003</b>	<b>3.8600e-003</b>	<b>0.0000</b>	<b>55.2076</b>	<b>55.2076</b>	<b>1.0600e-003</b>	<b>1.0100e-003</b>	<b>55.5357</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	995557	5.3700e-003	0.0488	0.0410	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	53.1267	53.1267	1.0200e-003	9.7000e-004	53.4425
Strip Mall	38993.9	2.1000e-004	1.9100e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0809	2.0809	4.0000e-005	4.0000e-005	2.0932
<b>Total</b>		<b>5.5800e-003</b>	<b>0.0507</b>	<b>0.0426</b>	<b>3.0000e-004</b>		<b>3.8600e-003</b>	<b>3.8600e-003</b>		<b>3.8600e-003</b>	<b>3.8600e-003</b>	<b>0.0000</b>	<b>55.2076</b>	<b>55.2076</b>	<b>1.0600e-003</b>	<b>1.0100e-003</b>	<b>55.5357</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			
General Office Building	1.09719e+006	263.5044	6.4700e-003	1.0000e-003	263.9628
Strip Mall	83299.4	20.0055	4.9000e-004	8.0000e-005	20.0403
<b>Total</b>		<b>283.5099</b>	<b>6.9600e-003</b>	<b>1.0800e-003</b>	<b>284.0030</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.09719e+006	263.5044	6.4700e-003	1.0000e-003	263.9628
Strip Mall	83299.4	20.0055	4.9000e-004	8.0000e-005	20.0403
<b>Total</b>		<b>283.5099</b>	<b>6.9600e-003</b>	<b>1.0800e-003</b>	<b>284.0030</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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
Category	tons/yr										MT/yr					
Mitigated	0.3636	1.0000e-005	1.0600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0600e-003	2.0600e-003	1.0000e-005	0.0000	2.2000e-003
Unmitigated	0.3636	1.0000e-005	1.0600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0600e-003	2.0600e-003	1.0000e-005	0.0000	2.2000e-003

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	0.0386					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0600e-003	2.0600e-003	1.0000e-005	0.0000	2.2000e-003
<b>Total</b>	<b>0.3636</b>	<b>1.0000e-005</b>	<b>1.0600e-003</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>2.0600e-003</b>	<b>2.0600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.2000e-003</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0386					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0600e-003	2.0600e-003	1.0000e-005	0.0000	2.2000e-003
<b>Total</b>	<b>0.3636</b>	<b>1.0000e-005</b>	<b>1.0600e-003</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>2.0600e-003</b>	<b>2.0600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.2000e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.7685	4.0900e-003	2.5200e-003	7.6210
Unmitigated	6.7685	4.0900e-003	2.5200e-003	7.6210

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	2.71118 / 1.7409	5.6669	3.4200e-003	2.1000e-003	6.3792
Strip Mall	0.533322 / 0.326875	1.1017	6.7000e-004	4.1000e-004	1.2418
<b>Total</b>		<b>6.7685</b>	<b>4.0900e-003</b>	<b>2.5100e-003</b>	<b>7.6210</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	2.71118 / 1.7409	5.6669	3.4200e-003	2.1000e-003	6.3792
Strip Mall	0.533322 / 0.326875	1.1017	6.7000e-004	4.1000e-004	1.2418
<b>Total</b>		<b>6.7685</b>	<b>4.0900e-003</b>	<b>2.5100e-003</b>	<b>7.6210</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.8820	0.9386	0.0000	39.3470
Unmitigated	15.8820	0.9386	0.0000	39.3470

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	70.68	14.3474	0.8479	0.0000	35.5451
Strip Mall	7.56	1.5346	0.0907	0.0000	3.8019
<b>Total</b>		<b>15.8820</b>	<b>0.9386</b>	<b>0.0000</b>	<b>39.3470</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	70.68	14.3474	0.8479	0.0000	35.5451
Strip Mall	7.56	1.5346	0.0907	0.0000	3.8019
<b>Total</b>		<b>15.8820</b>	<b>0.9386</b>	<b>0.0000</b>	<b>39.3470</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
Emergency Generator	1	0	96	536	0.73	Diesel

**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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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0422	0.1180	0.1077	2.0000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	19.5943	19.5943	2.7500e-003	0.0000	19.6630
<b>Total</b>	<b>0.0422</b>	<b>0.1180</b>	<b>0.1077</b>	<b>2.0000e-004</b>		<b>6.2100e-003</b>	<b>6.2100e-003</b>		<b>6.2100e-003</b>	<b>6.2100e-003</b>	<b>0.0000</b>	<b>19.5943</b>	<b>19.5943</b>	<b>2.7500e-003</b>	<b>0.0000</b>	<b>19.6630</b>

**11.0 Vegetation**