

APPENDIX B -  
GREENHOUSE GAS ANALYSIS  
CALCULATION DATA

Camarillo Conference Hotels - Ventura County, Annual

**Camarillo Conference Hotels  
Ventura County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	275.00	Room	7.40	234,778.00	0
Parking Lot	668.00	Space	6.01	267,200.00	0
Fast Food Restaurant w/o Drive Thru	3.10	1000sqft	0.07	3,100.00	0
High Turnover (Sit Down Restaurant)	12.40	1000sqft	0.28	12,400.00	0
Strip Mall	10.45	1000sqft	0.24	10,450.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

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Project Characteristics -

Land Use - The hotel use includes the 17,500 SF of conference facility space.

Construction Phase - Default dates changed to reflect anticipated construction schedule.

Grading - Default acreage for grading changed to 12.

Vehicle Trips - Default trip generation rates changed to be consistent with project traffic report (see attached sheet).

Area Coating - Assumes architectural coatings that comply VCAPCD rules and regulations.

Water And Wastewater - Assumes a total of 10,997,551.7 gallons of water per year per City calculations.

Sequestration - Assumes 130 new trees per project landscape plans.

Construction Off-road Equipment Mitigation -

Energy Mitigation - Assumes a minimum building energy efficiency of 15% per CalGreen Code requirements.

Water Mitigation - Assumes indoor water use reduction features per CalGreen Code requirements.

Waste Mitigation - Assumes a minimum 79% reduction in solid waste per current City efforts.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	75
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	PhaseEndDate	9/2/2018	12/28/2019
tblConstructionPhase	PhaseEndDate	9/2/2018	11/2/2019
tblConstructionPhase	PhaseEndDate	9/2/2018	10/13/2018
tblConstructionPhase	PhaseEndDate	9/2/2018	11/9/2019
tblConstructionPhase	PhaseStartDate	9/3/2018	11/11/2019
tblConstructionPhase	PhaseStartDate	9/3/2018	10/15/2018
tblConstructionPhase	PhaseStartDate	9/3/2018	11/4/2019
tblGrading	AcresOfGrading	75.00	12.00
tblLandUse	BuildingSpaceSquareFeet	399,300.00	234,778.00
tblLandUse	LandUseSquareFeet	399,300.00	234,778.00

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tblLandUse	LotAcreage	9.17	7.40
tblProjectCharacteristics	OperationalYear	2018	2020
tblSequestration	NumberOfNewTrees	0.00	130.00
tblVehicleTrips	ST_TR	696.00	458.16
tblVehicleTrips	ST_TR	158.37	150.48
tblVehicleTrips	ST_TR	8.19	9.64
tblVehicleTrips	ST_TR	42.04	39.93
tblVehicleTrips	SU_TR	500.00	329.14
tblVehicleTrips	SU_TR	131.84	125.28
tblVehicleTrips	SU_TR	5.95	7.00
tblVehicleTrips	SU_TR	20.43	19.40
tblVehicleTrips	WD_TR	716.00	471.32
tblVehicleTrips	WD_TR	127.15	120.82
tblVehicleTrips	WD_TR	8.17	9.61
tblVehicleTrips	WD_TR	44.32	42.09
tblWater	IndoorWaterUseRate	940,954.51	0.00
tblWater	IndoorWaterUseRate	3,763,818.03	0.00
tblWater	IndoorWaterUseRate	6,975,861.75	10,997,551.70
tblWater	IndoorWaterUseRate	774,057.85	0.00
tblWater	OutdoorWaterUseRate	60,060.93	0.00
tblWater	OutdoorWaterUseRate	240,243.70	0.00
tblWater	OutdoorWaterUseRate	775,095.75	0.00
tblWater	OutdoorWaterUseRate	474,422.55	0.00

## 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)
1	9-3-2018	12-2-2018	1.6358	1.6358
2	12-3-2018	3-2-2019	1.1869	1.1869
3	3-3-2019	6-2-2019	1.1706	1.1706
4	6-3-2019	9-2-2019	1.1679	1.1679
5	9-3-2019	9-30-2019	0.3555	0.3555
		Highest	1.6358	1.6358

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	1.1439	8.0000e-005	8.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0173	0.0173	5.0000e-005	0.0000	0.0185
Energy	0.0654	0.5941	0.4991	3.5600e-003		0.0452	0.0452		0.0452	0.0452	0.0000	1,636.7093	1,636.7093	0.0533	0.0203	1,644.0943
Mobile	1.4617	5.4078	14.9268	0.0421	3.5944	0.0463	3.6407	0.9615	0.0434	1.0048	0.0000	3,856.4557	3,856.4557	0.1873	0.0000	3,861.1391
Waste						0.0000	0.0000		0.0000	0.0000	69.9913	0.0000	69.9913	4.1364	0.0000	173.4004
Water						0.0000	0.0000		0.0000	0.0000	3.4890	45.6263	49.1153	0.3602	8.8500e-003	60.7590
<b>Total</b>	<b>2.6709</b>	<b>6.0020</b>	<b>15.4349</b>	<b>0.0456</b>	<b>3.5944</b>	<b>0.0915</b>	<b>3.6859</b>	<b>0.9615</b>	<b>0.0886</b>	<b>1.0500</b>	<b>73.4803</b>	<b>5,538.8087</b>	<b>5,612.2889</b>	<b>4.7373</b>	<b>0.0292</b>	<b>5,739.4113</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	1.1439	8.0000e-005	8.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0173	0.0173	5.0000e-005	0.0000	0.0185
Energy	0.0588	0.5346	0.4491	3.2100e-003		0.0406	0.0406		0.0406	0.0406	0.0000	1,530.9337	1,530.9337	0.0503	0.0188	1,537.7870
Mobile	1.4617	5.4078	14.9268	0.0421	3.5944	0.0463	3.6407	0.9615	0.0434	1.0048	0.0000	3,856.4557	3,856.4557	0.1873	0.0000	3,861.1391
Waste						0.0000	0.0000		0.0000	0.0000	14.6982	0.0000	14.6982	0.8686	0.0000	36.4141
Water						0.0000	0.0000		0.0000	0.0000	2.7912	36.5011	39.2923	0.2882	7.0800e-003	48.6072
<b>Total</b>	<b>2.6644</b>	<b>5.9425</b>	<b>15.3848</b>	<b>0.0453</b>	<b>3.5944</b>	<b>0.0869</b>	<b>3.6813</b>	<b>0.9615</b>	<b>0.0841</b>	<b>1.0455</b>	<b>17.4894</b>	<b>5,423.9078</b>	<b>5,441.3972</b>	<b>1.3945</b>	<b>0.0259</b>	<b>5,483.9658</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>0.25</b>	<b>0.99</b>	<b>0.32</b>	<b>0.77</b>	<b>0.00</b>	<b>4.94</b>	<b>0.12</b>	<b>0.00</b>	<b>5.10</b>	<b>0.43</b>	<b>76.20</b>	<b>2.07</b>	<b>3.04</b>	<b>70.56</b>	<b>11.32</b>	<b>4.45</b>

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**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
New Trees	95.4200
<b>Total</b>	<b>95.4200</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	Grading	Grading	9/3/2018	10/13/2018	5	30	
2	Building Construction	Building Construction	10/15/2018	11/2/2019	5	300	
3	Paving	Paving	11/4/2019	11/9/2019	5	20	
4	Architectural Coating	Architectural Coating	11/11/2019	12/28/2019	5	20	

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

**Acres of Grading (Grading Phase): 12**

**Acres of Paving: 6.01**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 391,092; Non-Residential Outdoor: 130,364; Striped Parking Area: 16,032 (Architectural Coating – sqft)**



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**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

**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
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	221.00	87.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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Water Exposed Area

Clean Paved Roads

**3.2 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0967	0.0000	0.0967	0.0503	0.0000	0.0503	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8928	0.5263	9.3000e-004		0.0395	0.0395		0.0364	0.0364	0.0000	84.9728	84.9728	0.0265	0.0000	85.6341
<b>Total</b>	<b>0.0764</b>	<b>0.8928</b>	<b>0.5263</b>	<b>9.3000e-004</b>	<b>0.0967</b>	<b>0.0395</b>	<b>0.1362</b>	<b>0.0503</b>	<b>0.0364</b>	<b>0.0867</b>	<b>0.0000</b>	<b>84.9728</b>	<b>84.9728</b>	<b>0.0265</b>	<b>0.0000</b>	<b>85.6341</b>

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**3.2 Grading - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	9.4000e-004	9.7900e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1997	2.1997	7.0000e-005	0.0000	2.2014
<b>Total</b>	<b>1.3000e-003</b>	<b>9.4000e-004</b>	<b>9.7900e-003</b>	<b>2.0000e-005</b>	<b>2.4200e-003</b>	<b>2.0000e-005</b>	<b>2.4400e-003</b>	<b>6.4000e-004</b>	<b>2.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.1997</b>	<b>2.1997</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.2014</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0377	0.0000	0.0377	0.0196	0.0000	0.0196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8928	0.5263	9.3000e-004		0.0395	0.0395		0.0364	0.0364	0.0000	84.9727	84.9727	0.0265	0.0000	85.6340
<b>Total</b>	<b>0.0764</b>	<b>0.8928</b>	<b>0.5263</b>	<b>9.3000e-004</b>	<b>0.0377</b>	<b>0.0395</b>	<b>0.0772</b>	<b>0.0196</b>	<b>0.0364</b>	<b>0.0560</b>	<b>0.0000</b>	<b>84.9727</b>	<b>84.9727</b>	<b>0.0265</b>	<b>0.0000</b>	<b>85.6340</b>

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**3.2 Grading - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	9.4000e-004	9.7900e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1997	2.1997	7.0000e-005	0.0000	2.2014
<b>Total</b>	<b>1.3000e-003</b>	<b>9.4000e-004</b>	<b>9.7900e-003</b>	<b>2.0000e-005</b>	<b>2.4200e-003</b>	<b>2.0000e-005</b>	<b>2.4400e-003</b>	<b>6.4000e-004</b>	<b>2.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.1997</b>	<b>2.1997</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.2014</b>

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0750	0.6549	0.4923	7.5000e-004		0.0420	0.0420		0.0395	0.0395	0.0000	66.5748	66.5748	0.0163	0.0000	66.9826
<b>Total</b>	<b>0.0750</b>	<b>0.6549</b>	<b>0.4923</b>	<b>7.5000e-004</b>		<b>0.0420</b>	<b>0.0420</b>		<b>0.0395</b>	<b>0.0395</b>	<b>0.0000</b>	<b>66.5748</b>	<b>66.5748</b>	<b>0.0163</b>	<b>0.0000</b>	<b>66.9826</b>

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**3.3 Building Construction - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0111	0.3122	0.0853	6.3000e-004	0.0162	2.7500e-003	0.0190	4.6800e-003	2.6300e-003	7.3100e-003	0.0000	61.2408	61.2408	5.5200e-003	0.0000	61.3788
Worker	0.0268	0.0195	0.2020	5.0000e-004	0.0499	3.7000e-004	0.0503	0.0133	3.4000e-004	0.0136	0.0000	45.3716	45.3716	1.4400e-003	0.0000	45.4076
<b>Total</b>	<b>0.0379</b>	<b>0.3317</b>	<b>0.2873</b>	<b>1.1300e-003</b>	<b>0.0661</b>	<b>3.1200e-003</b>	<b>0.0692</b>	<b>0.0179</b>	<b>2.9700e-003</b>	<b>0.0209</b>	<b>0.0000</b>	<b>106.6124</b>	<b>106.6124</b>	<b>6.9600e-003</b>	<b>0.0000</b>	<b>106.7864</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0750	0.6549	0.4923	7.5000e-004		0.0420	0.0420		0.0395	0.0395	0.0000	66.5748	66.5748	0.0163	0.0000	66.9825
<b>Total</b>	<b>0.0750</b>	<b>0.6549</b>	<b>0.4923</b>	<b>7.5000e-004</b>		<b>0.0420</b>	<b>0.0420</b>		<b>0.0395</b>	<b>0.0395</b>	<b>0.0000</b>	<b>66.5748</b>	<b>66.5748</b>	<b>0.0163</b>	<b>0.0000</b>	<b>66.9825</b>

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**3.3 Building Construction - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0111	0.3122	0.0853	6.3000e-004	0.0162	2.7500e-003	0.0190	4.6800e-003	2.6300e-003	7.3100e-003	0.0000	61.2408	61.2408	5.5200e-003	0.0000	61.3788
Worker	0.0268	0.0195	0.2020	5.0000e-004	0.0499	3.7000e-004	0.0503	0.0133	3.4000e-004	0.0136	0.0000	45.3716	45.3716	1.4400e-003	0.0000	45.4076
<b>Total</b>	<b>0.0379</b>	<b>0.3317</b>	<b>0.2873</b>	<b>1.1300e-003</b>	<b>0.0661</b>	<b>3.1200e-003</b>	<b>0.0692</b>	<b>0.0179</b>	<b>2.9700e-003</b>	<b>0.0209</b>	<b>0.0000</b>	<b>106.6124</b>	<b>106.6124</b>	<b>6.9600e-003</b>	<b>0.0000</b>	<b>106.7864</b>

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2586	2.3081	1.8794	2.9500e-003		0.1412	0.1412		0.1328	0.1328	0.0000	257.4391	257.4391	0.0627	0.0000	259.0070
<b>Total</b>	<b>0.2586</b>	<b>2.3081</b>	<b>1.8794</b>	<b>2.9500e-003</b>		<b>0.1412</b>	<b>0.1412</b>		<b>0.1328</b>	<b>0.1328</b>	<b>0.0000</b>	<b>257.4391</b>	<b>257.4391</b>	<b>0.0627</b>	<b>0.0000</b>	<b>259.0070</b>

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**3.3 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0397	1.1496	0.3091	2.4500e-003	0.0634	9.2500e-003	0.0727	0.0183	8.8500e-003	0.0271	0.0000	238.3243	238.3243	0.0208	0.0000	238.8452
Worker	0.0961	0.0674	0.7102	1.9100e-003	0.1951	1.4300e-003	0.1966	0.0518	1.3200e-003	0.0532	0.0000	172.6282	172.6282	5.0600e-003	0.0000	172.7546
<b>Total</b>	<b>0.1358</b>	<b>1.2170</b>	<b>1.0193</b>	<b>4.3600e-003</b>	<b>0.2585</b>	<b>0.0107</b>	<b>0.2692</b>	<b>0.0701</b>	<b>0.0102</b>	<b>0.0803</b>	<b>0.0000</b>	<b>410.9525</b>	<b>410.9525</b>	<b>0.0259</b>	<b>0.0000</b>	<b>411.5998</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2586	2.3081	1.8794	2.9500e-003		0.1412	0.1412		0.1328	0.1328	0.0000	257.4388	257.4388	0.0627	0.0000	259.0067
<b>Total</b>	<b>0.2586</b>	<b>2.3081</b>	<b>1.8794</b>	<b>2.9500e-003</b>		<b>0.1412</b>	<b>0.1412</b>		<b>0.1328</b>	<b>0.1328</b>	<b>0.0000</b>	<b>257.4388</b>	<b>257.4388</b>	<b>0.0627</b>	<b>0.0000</b>	<b>259.0067</b>

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**3.3 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0397	1.1496	0.3091	2.4500e-003	0.0634	9.2500e-003	0.0727	0.0183	8.8500e-003	0.0271	0.0000	238.3243	238.3243	0.0208	0.0000	238.8452
Worker	0.0961	0.0674	0.7102	1.9100e-003	0.1951	1.4300e-003	0.1966	0.0518	1.3200e-003	0.0532	0.0000	172.6282	172.6282	5.0600e-003	0.0000	172.7546
<b>Total</b>	<b>0.1358</b>	<b>1.2170</b>	<b>1.0193</b>	<b>4.3600e-003</b>	<b>0.2585</b>	<b>0.0107</b>	<b>0.2692</b>	<b>0.0701</b>	<b>0.0102</b>	<b>0.0803</b>	<b>0.0000</b>	<b>410.9525</b>	<b>410.9525</b>	<b>0.0259</b>	<b>0.0000</b>	<b>411.5998</b>

**3.4 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6400e-003	0.0381	0.0367	6.0000e-005		2.0600e-003	2.0600e-003		1.9000e-003	1.9000e-003	0.0000	5.1188	5.1188	1.6200e-003	0.0000	5.1593
Paving	1.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.6100e-003</b>	<b>0.0381</b>	<b>0.0367</b>	<b>6.0000e-005</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>		<b>1.9000e-003</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>5.1188</b>	<b>5.1188</b>	<b>1.6200e-003</b>	<b>0.0000</b>	<b>5.1593</b>



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**3.4 Paving - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.1000e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2675	0.2675	1.0000e-005	0.0000	0.2677
<b>Total</b>	<b>1.5000e-004</b>	<b>1.0000e-004</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2675</b>	<b>0.2675</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2677</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6400e-003	0.0381	0.0367	6.0000e-005		2.0600e-003	2.0600e-003		1.9000e-003	1.9000e-003	0.0000	5.1188	5.1188	1.6200e-003	0.0000	5.1593
Paving	1.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.6100e-003</b>	<b>0.0381</b>	<b>0.0367</b>	<b>6.0000e-005</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>		<b>1.9000e-003</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>5.1188</b>	<b>5.1188</b>	<b>1.6200e-003</b>	<b>0.0000</b>	<b>5.1593</b>

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**3.4 Paving - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.1000e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2675	0.2675	1.0000e-005	0.0000	0.2677
<b>Total</b>	<b>1.5000e-004</b>	<b>1.0000e-004</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2675</b>	<b>0.2675</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2677</b>

**3.5 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.4496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0321	0.0322	5.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	4.4682	4.4682	3.8000e-004	0.0000	4.4776
<b>Total</b>	<b>5.4543</b>	<b>0.0321</b>	<b>0.0322</b>	<b>5.0000e-005</b>		<b>2.2500e-003</b>	<b>2.2500e-003</b>		<b>2.2500e-003</b>	<b>2.2500e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>4.4776</b>

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**3.5 Architectural Coating - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0600e-003	2.1400e-003	0.0226	6.0000e-005	6.2100e-003	5.0000e-005	6.2500e-003	1.6500e-003	4.0000e-005	1.6900e-003	0.0000	5.4928	5.4928	1.6000e-004	0.0000	5.4969
<b>Total</b>	<b>3.0600e-003</b>	<b>2.1400e-003</b>	<b>0.0226</b>	<b>6.0000e-005</b>	<b>6.2100e-003</b>	<b>5.0000e-005</b>	<b>6.2500e-003</b>	<b>1.6500e-003</b>	<b>4.0000e-005</b>	<b>1.6900e-003</b>	<b>0.0000</b>	<b>5.4928</b>	<b>5.4928</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>5.4969</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.4496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0321	0.0322	5.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	4.4682	4.4682	3.8000e-004	0.0000	4.4776
<b>Total</b>	<b>5.4543</b>	<b>0.0321</b>	<b>0.0322</b>	<b>5.0000e-005</b>		<b>2.2500e-003</b>	<b>2.2500e-003</b>		<b>2.2500e-003</b>	<b>2.2500e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>4.4776</b>

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**3.5 Architectural Coating - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0600e-003	2.1400e-003	0.0226	6.0000e-005	6.2100e-003	5.0000e-005	6.2500e-003	1.6500e-003	4.0000e-005	1.6900e-003	0.0000	5.4928	5.4928	1.6000e-004	0.0000	5.4969
<b>Total</b>	<b>3.0600e-003</b>	<b>2.1400e-003</b>	<b>0.0226</b>	<b>6.0000e-005</b>	<b>6.2100e-003</b>	<b>5.0000e-005</b>	<b>6.2500e-003</b>	<b>1.6500e-003</b>	<b>4.0000e-005</b>	<b>1.6900e-003</b>	<b>0.0000</b>	<b>5.4928</b>	<b>5.4928</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>5.4969</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	1.4617	5.4078	14.9268	0.0421	3.5944	0.0463	3.6407	0.9615	0.0434	1.0048	0.0000	3,856.4557	3,856.4557	0.1873	0.0000	3,861.1391
Unmitigated	1.4617	5.4078	14.9268	0.0421	3.5944	0.0463	3.6407	0.9615	0.0434	1.0048	0.0000	3,856.4557	3,856.4557	0.1873	0.0000	3,861.1391

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant w/o Drive Thru	1,461.09	1,420.30	1020.33	2,245,176	2,245,176
High Turnover (Sit Down Restaurant)	1,498.17	1,865.95	1553.47	1,808,399	1,808,399
Hotel	2,642.75	2,651.00	1925.00	4,828,470	4,828,470
Parking Lot	0.00	0.00	0.00		
Strip Mall	439.84	417.27	202.73	620,238	620,238
<b>Total</b>	<b>6,041.85</b>	<b>6,354.52</b>	<b>4,701.54</b>	<b>9,502,283</b>	<b>9,502,283</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
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
High Turnover (Sit Down)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721
Parking Lot	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721
Fast Food Restaurant w/o Drive Thru	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721
High Turnover (Sit Down Restaurant)	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721
Strip Mall	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	948.9627	948.9627	0.0392	8.1100e-003	952.3576
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	989.9119	989.9119	0.0409	8.4600e-003	993.4534
NaturalGas Mitigated	0.0588	0.5346	0.4491	3.2100e-003		0.0406	0.0406		0.0406	0.0406	0.0000	581.9710	581.9710	0.0112	0.0107	585.4294
NaturalGas Unmitigated	0.0654	0.5941	0.4991	3.5600e-003		0.0452	0.0452		0.0452	0.0452	0.0000	646.7974	646.7974	0.0124	0.0119	650.6410

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**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	805101	4.3400e-003	0.0395	0.0332	2.4000e-004		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003	0.0000	42.9633	42.9633	8.2000e-004	7.9000e-004	43.2186
High Turnover (Sit Down Restaurant)	3.2204e+006	0.0174	0.1579	0.1326	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.8530	171.8530	3.2900e-003	3.1500e-003	172.8743
Hotel	8.07402e+006	0.0435	0.3958	0.3325	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.8602	430.8602	8.2600e-003	7.9000e-003	433.4206
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
Strip Mall	21004.5	1.1000e-004	1.0300e-003	8.6000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1209	1.1209	2.0000e-005	2.0000e-005	1.1275
<b>Total</b>		<b>0.0654</b>	<b>0.5942</b>	<b>0.4991</b>	<b>3.5700e-003</b>		<b>0.0452</b>	<b>0.0452</b>		<b>0.0452</b>	<b>0.0452</b>	<b>0.0000</b>	<b>646.7974</b>	<b>646.7974</b>	<b>0.0124</b>	<b>0.0119</b>	<b>650.6410</b>

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**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	768389	4.1400e-003	0.0377	0.0316	2.3000e-004		2.8600e-003	2.8600e-003		2.8600e-003	2.8600e-003	0.0000	41.0042	41.0042	7.9000e-004	7.5000e-004	41.2478
High Turnover (Sit Down Restaurant)	3.07356e+006	0.0166	0.1507	0.1266	9.0000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.0167	164.0167	3.1400e-003	3.0100e-003	164.9914
Hotel	7.04428e+006	0.0380	0.3453	0.2901	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.9096	375.9096	7.2000e-003	6.8900e-003	378.1434
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
Strip Mall	19499.7	1.1000e-004	9.6000e-004	8.0000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0406	1.0406	2.0000e-005	2.0000e-005	1.0468
<b>Total</b>		<b>0.0588</b>	<b>0.5346</b>	<b>0.4491</b>	<b>3.2100e-003</b>		<b>0.0406</b>	<b>0.0406</b>		<b>0.0406</b>	<b>0.0406</b>	<b>0.0000</b>	<b>581.9710</b>	<b>581.9710</b>	<b>0.0112</b>	<b>0.0107</b>	<b>585.4294</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			
Fast Food Restaurant w/o Drive Thru	115041	36.6545	1.5100e-003	3.1000e-004	36.7857
High Turnover (Sit Down Restaurant)	460164	146.6181	6.0500e-003	1.2500e-003	147.1426
Hotel	2.17404e+006	692.6971	0.0286	5.9200e-003	695.1752
Parking Lot	235136	74.9194	3.0900e-003	6.4000e-004	75.1874
Strip Mall	122474	39.0228	1.6100e-003	3.3000e-004	39.1625
<b>Total</b>		<b>989.9119</b>	<b>0.0409</b>	<b>8.4500e-003</b>	<b>993.4534</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
Fast Food Restaurant w/o Drive Thru	110796	35.3018	1.4600e-003	3.0000e-004	35.4281
High Turnover (Sit Down Restaurant)	443182	141.2073	5.8300e-003	1.2100e-003	141.7125
Hotel	2.07156e+006	660.0446	0.0273	5.6400e-003	662.4059
Parking Lot	235136	74.9194	3.0900e-003	6.4000e-004	75.1874
Strip Mall	117662	37.4896	1.5500e-003	3.2000e-004	37.6237
<b>Total</b>		<b>948.9627</b>	<b>0.0392</b>	<b>8.1100e-003</b>	<b>952.3576</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	1.1439	8.0000e-005	8.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0173	0.0173	5.0000e-005	0.0000	0.0185
Unmitigated	1.1439	8.0000e-005	8.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0173	0.0173	5.0000e-005	0.0000	0.0185

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	0.1075					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0356					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.4000e-004	8.0000e-005	8.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0173	0.0173	5.0000e-005	0.0000	0.0185
<b>Total</b>	<b>1.1439</b>	<b>8.0000e-005</b>	<b>8.9600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0173</b>	<b>0.0173</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0185</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	0.1075					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0356					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.4000e-004	8.0000e-005	8.9600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0173	0.0173	5.0000e-005	0.0000	0.0185
<b>Total</b>	<b>1.1439</b>	<b>8.0000e-005</b>	<b>8.9600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0173</b>	<b>0.0173</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0185</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	39.2923	0.2882	7.0800e-003	48.6072
Unmitigated	49.1153	0.3602	8.8500e-003	60.7590

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/ Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	10.9976 / 0	49.1153	0.3602	8.8500e-003	60.7590
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>49.1153</b>	<b>0.3602</b>	<b>8.8500e-003</b>	<b>60.7590</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			
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.79804 / 0	39.2923	0.2882	7.0800e-003	48.6072
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>39.2923</b>	<b>0.2882</b>	<b>7.0800e-003</b>	<b>48.6072</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6982	0.8686	0.0000	36.4141
Unmitigated	69.9913	4.1364	0.0000	173.4004

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	35.71	7.2488	0.4284	0.0000	17.9586
High Turnover (Sit Down Restaurant)	147.56	29.9534	1.7702	0.0000	74.2082
Hotel	150.56	30.5623	1.8062	0.0000	75.7169
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	10.97	2.2268	0.1316	0.0000	5.5168
<b>Total</b>		<b>69.9913</b>	<b>4.1364</b>	<b>0.0000</b>	<b>173.4004</b>

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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	7.4991	1.5223	0.0900	0.0000	3.7713
High Turnover (Sit Down Restaurant)	30.9876	6.2902	0.3717	0.0000	15.5837
Hotel	31.6176	6.4181	0.3793	0.0000	15.9005
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.3037	0.4676	0.0276	0.0000	1.1585
<b>Total</b>		<b>14.6982</b>	<b>0.8686</b>	<b>0.0000</b>	<b>36.4141</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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**11.0 Vegetation**

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	95.4200	0.0000	0.0000	95.4200

**11.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Mixed Hardwood	130	95.4200	0.0000	0.0000	95.4200
<b>Total</b>		<b>95.4200</b>	<b>0.0000</b>	<b>0.0000</b>	<b>95.4200</b>