

APPENDIX – 8 GHG

**Pacific Grove Hotel
Monterey County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	125.00	Room	0.55	65,322.00	0
Quality Restaurant	2.48	1000sqft	0.00	2,475.00	0
Recreational Swimming Pool	0.67	1000sqft	0.00	670.00	0
Parking Lot	24.02	1000sqft	0.55	24,017.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	55
Climate Zone	4			Operational Year	2017
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Hotel footprint = 0.55 acre. 3-Story hotel building = 65,322 sf. Restaurant is within hotel.

Construction Phase - Building construction, paving, and painting assumed to occur simultaneously

Demolition -

Vehicle Trips - Trip generation per Traffic Impact Memo

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	200.00
tblConstructionPhase	NumDays	10.00	200.00
tblConstructionPhase	PhaseEndDate	8/20/2018	11/13/2017
tblConstructionPhase	PhaseEndDate	8/20/2018	11/13/2017
tblConstructionPhase	PhaseStartDate	11/14/2017	2/7/2017
tblConstructionPhase	PhaseStartDate	11/14/2017	2/7/2017
tblLandUse	LandUseSquareFeet	181,500.00	65,322.00
tblLandUse	LotAcreage	4.17	0.55
tblLandUse	LotAcreage	0.06	0.00
tblLandUse	LotAcreage	0.02	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	ST_TR	8.19	5.97
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.95	5.97
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	8.17	5.97
tblVehicleTrips	WD_TR	89.95	0.00
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

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	0.4416	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-003
Energy	0.0192	0.1741	0.1463	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	380.7681	380.7681	0.0123	5.2600e-003	382.6578
Mobile	0.5210	1.1442	5.4076	8.3300e-003	0.5293	0.0130	0.5423	0.1418	0.0120	0.1538	0.0000	642.1160	642.1160	0.0352	0.0000	642.8555
Waste						0.0000	0.0000		0.0000	0.0000	15.1269	0.0000	15.1269	0.8940	0.0000	33.9003
Water						0.0000	0.0000		0.0000	0.0000	1.2574	6.6710	7.9283	0.1294	3.1100e-003	11.6113
Total	0.9817	1.3184	5.5559	9.3700e-003	0.5293	0.0263	0.5555	0.1418	0.0252	0.1671	16.3842	1,029.5589	1,045.9431	1.0709	8.3700e-003	1,071.0289

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	0.4416	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-003
Energy	0.0192	0.1741	0.1463	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	380.7681	380.7681	0.0123	5.2600e-003	382.6578
Mobile	0.5210	1.1442	5.4076	8.3300e-003	0.5293	0.0130	0.5423	0.1418	0.0120	0.1538	0.0000	642.1160	642.1160	0.0352	0.0000	642.8555
Waste						0.0000	0.0000		0.0000	0.0000	15.1269	0.0000	15.1269	0.8940	0.0000	33.9003
Water						0.0000	0.0000		0.0000	0.0000	1.2574	6.6710	7.9283	0.1294	3.1100e-003	11.6093
Total	0.9817	1.3184	5.5559	9.3700e-003	0.5293	0.0263	0.5555	0.1418	0.0252	0.1671	16.3842	1,029.5589	1,045.9431	1.0709	8.3700e-003	1,071.0269

	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	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	1/31/2017	5	2	
3	Grading	Grading	2/1/2017	2/6/2017	5	4	
4	Building Construction	Building Construction	2/7/2017	11/13/2017	5	200	
5	Paving	Paving	2/7/2017	11/13/2017	5	200	
6	Architectural Coating	Architectural Coating	2/7/2017	11/13/2017	5	200	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 103,781; Non-Residential Outdoor: 34,594 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	6.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Building Construction	Welders	3	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
Demolition	5	13.00	0.00	113.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	39.00	15.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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					0.0125	0.0000	0.0125	1.8900e-003	0.0000	1.8900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4126
Total	0.0272	0.2659	0.2087	2.4000e-004	0.0125	0.0161	0.0286	1.8900e-003	0.0150	0.0169	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4126

3.2 Demolition - 2017

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	1.2900e-003	0.0135	0.0172	4.0000e-005	9.5000e-004	2.0000e-004	1.1500e-003	2.6000e-004	1.8000e-004	4.4000e-004	0.0000	3.7302	3.7302	3.0000e-005	0.0000	3.7308
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	5.4000e-004	8.8000e-004	7.8000e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9564	0.9564	7.0000e-005	0.0000	0.9578
Total	1.8300e-003	0.0144	0.0250	5.0000e-005	1.9800e-003	2.1000e-004	2.1900e-003	5.3000e-004	1.9000e-004	7.2000e-004	0.0000	4.6866	4.6866	1.0000e-004	0.0000	4.6885

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					0.0125	0.0000	0.0125	1.8900e-003	0.0000	1.8900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4125
Total	0.0272	0.2659	0.2087	2.4000e-004	0.0125	0.0161	0.0286	1.8900e-003	0.0150	0.0169	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4125

3.2 Demolition - 2017

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	1.2900e-003	0.0135	0.0172	4.0000e-005	9.5000e-004	2.0000e-004	1.1500e-003	2.6000e-004	1.8000e-004	4.4000e-004	0.0000	3.7302	3.7302	3.0000e-005	0.0000	3.7308
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	5.4000e-004	8.8000e-004	7.8000e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9564	0.9564	7.0000e-005	0.0000	0.9578
Total	1.8300e-003	0.0144	0.0250	5.0000e-005	1.9800e-003	2.1000e-004	2.1900e-003	5.3000e-004	1.9000e-004	7.2000e-004	0.0000	4.6866	4.6866	1.0000e-004	0.0000	4.6885

3.3 Site Preparation - 2017

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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3100e-003	0.0242	0.0159	2.0000e-005		1.3100e-003	1.3100e-003		1.2000e-003	1.2000e-003	0.0000	1.5895	1.5895	4.9000e-004	0.0000	1.5997
Total	2.3100e-003	0.0242	0.0159	2.0000e-005	5.8000e-003	1.3100e-003	7.1100e-003	2.9500e-003	1.2000e-003	4.1500e-003	0.0000	1.5895	1.5895	4.9000e-004	0.0000	1.5997

3.3 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	5.0000e-005	4.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0589	0.0589	0.0000	0.0000	0.0589
Total	3.0000e-005	5.0000e-005	4.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0589	0.0589	0.0000	0.0000	0.0589

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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3100e-003	0.0242	0.0159	2.0000e-005		1.3100e-003	1.3100e-003		1.2000e-003	1.2000e-003	0.0000	1.5895	1.5895	4.9000e-004	0.0000	1.5997
Total	2.3100e-003	0.0242	0.0159	2.0000e-005	5.8000e-003	1.3100e-003	7.1100e-003	2.9500e-003	1.2000e-003	4.1500e-003	0.0000	1.5895	1.5895	4.9000e-004	0.0000	1.5997

3.3 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	5.0000e-005	4.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0589	0.0589	0.0000	0.0000	0.0589
Total	3.0000e-005	5.0000e-005	4.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0589	0.0589	0.0000	0.0000	0.0589

3.4 Grading - 2017

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					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7700e-003	0.0396	0.0264	3.0000e-005		2.1300e-003	2.1300e-003		1.9600e-003	1.9600e-003	0.0000	2.6112	2.6112	8.0000e-004	0.0000	2.6280
Total	3.7700e-003	0.0396	0.0264	3.0000e-005	9.8300e-003	2.1300e-003	0.0120	5.0500e-003	1.9600e-003	7.0100e-003	0.0000	2.6112	2.6112	8.0000e-004	0.0000	2.6280

3.4 Grading - 2017

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	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	7.0000e-005	1.1000e-004	9.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1177	0.1177	1.0000e-005	0.0000	0.1179	
Total	7.0000e-005	1.1000e-004	9.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1177	0.1177	1.0000e-005	0.0000	0.1179	

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					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7700e-003	0.0396	0.0264	3.0000e-005		2.1300e-003	2.1300e-003		1.9600e-003	1.9600e-003	0.0000	2.6112	2.6112	8.0000e-004	0.0000	2.6280
Total	3.7700e-003	0.0396	0.0264	3.0000e-005	9.8300e-003	2.1300e-003	0.0120	5.0500e-003	1.9600e-003	7.0100e-003	0.0000	2.6112	2.6112	8.0000e-004	0.0000	2.6280

3.4 Grading - 2017

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	7.0000e-005	1.1000e-004	9.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1177	0.1177	1.0000e-005	0.0000	0.1179
Total	7.0000e-005	1.1000e-004	9.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1177	0.1177	1.0000e-005	0.0000	0.1179

3.5 Building Construction - 2017

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	0.2955	1.9109	1.4311	2.2000e-003		0.1226	0.1226		0.1182	0.1182	0.0000	184.5473	184.5473	0.0387	0.0000	185.3605
Total	0.2955	1.9109	1.4311	2.2000e-003		0.1226	0.1226		0.1182	0.1182	0.0000	184.5473	184.5473	0.0387	0.0000	185.3605

3.5 Building Construction - 2017

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	0.0192	0.1361	0.2492	3.5000e-004	9.6000e-003	2.1100e-003	0.0117	2.7400e-003	1.9400e-003	4.6800e-003	0.0000	31.1993	31.1993	2.5000e-004	0.0000	31.2045
Worker	0.0163	0.0264	0.2340	3.9000e-004	0.0310	3.2000e-004	0.0313	8.2400e-003	2.9000e-004	8.5300e-003	0.0000	28.6908	28.6908	1.9900e-003	0.0000	28.7326
Total	0.0355	0.1624	0.4832	7.4000e-004	0.0406	2.4300e-003	0.0430	0.0110	2.2300e-003	0.0132	0.0000	59.8901	59.8901	2.2400e-003	0.0000	59.9371

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	0.2955	1.9109	1.4311	2.2000e-003		0.1226	0.1226		0.1182	0.1182	0.0000	184.5471	184.5471	0.0387	0.0000	185.3603
Total	0.2955	1.9109	1.4311	2.2000e-003		0.1226	0.1226		0.1182	0.1182	0.0000	184.5471	184.5471	0.0387	0.0000	185.3603

3.5 Building Construction - 2017

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	0.0192	0.1361	0.2492	3.5000e-004	9.6000e-003	2.1100e-003	0.0117	2.7400e-003	1.9400e-003	4.6800e-003	0.0000	31.1993	31.1993	2.5000e-004	0.0000	31.2045
Worker	0.0163	0.0264	0.2340	3.9000e-004	0.0310	3.2000e-004	0.0313	8.2400e-003	2.9000e-004	8.5300e-003	0.0000	28.6908	28.6908	1.9900e-003	0.0000	28.7326
Total	0.0355	0.1624	0.4832	7.4000e-004	0.0406	2.4300e-003	0.0430	0.0110	2.2300e-003	0.0132	0.0000	59.8901	59.8901	2.2400e-003	0.0000	59.9371

3.6 Paving - 2017

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	0.1186	1.2098	0.9031	1.3300e-003		0.0733	0.0733		0.0676	0.0676	0.0000	122.2574	122.2574	0.0368	0.0000	123.0295
Paving	7.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1193	1.2098	0.9031	1.3300e-003		0.0733	0.0733		0.0676	0.0676	0.0000	122.2574	122.2574	0.0368	0.0000	123.0295

3.6 Paving - 2017

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	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	5.4300e-003	8.7900e-003	0.0780	1.3000e-004	0.0103	1.1000e-004	0.0104	2.7500e-003	1.0000e-004	2.8400e-003	0.0000	9.5636	9.5636	6.6000e-004	0.0000	9.5775	9.5775
Total	5.4300e-003	8.7900e-003	0.0780	1.3000e-004	0.0103	1.1000e-004	0.0104	2.7500e-003	1.0000e-004	2.8400e-003	0.0000	9.5636	9.5636	6.6000e-004	0.0000	9.5775	9.5775

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	0.1186	1.2098	0.9031	1.3300e-003		0.0733	0.0733		0.0676	0.0676	0.0000	122.2573	122.2573	0.0368	0.0000	123.0293
Paving	7.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1193	1.2098	0.9031	1.3300e-003		0.0733	0.0733		0.0676	0.0676	0.0000	122.2573	122.2573	0.0368	0.0000	123.0293

3.6 Paving - 2017

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	5.4300e-003	8.7900e-003	0.0780	1.3000e-004	0.0103	1.1000e-004	0.0104	2.7500e-003	1.0000e-004	2.8400e-003	0.0000	9.5636	9.5636	6.6000e-004	0.0000	9.5775
Total	5.4300e-003	8.7900e-003	0.0780	1.3000e-004	0.0103	1.1000e-004	0.0104	2.7500e-003	1.0000e-004	2.8400e-003	0.0000	9.5636	9.5636	6.6000e-004	0.0000	9.5775

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.2185	0.1868	3.0000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	25.5325	25.5325	2.7000e-003	0.0000	25.5892
Total	0.8349	0.2185	0.1868	3.0000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	25.5325	25.5325	2.7000e-003	0.0000	25.5892

3.7 Architectural Coating - 2017

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	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	3.3400e-003	5.4100e-003	0.0480	8.0000e-005	6.3600e-003	7.0000e-005	6.4200e-003	1.6900e-003	6.0000e-005	1.7500e-003	0.0000	5.8853	5.8853	4.1000e-004	0.0000	5.8939	
Total	3.3400e-003	5.4100e-003	0.0480	8.0000e-005	6.3600e-003	7.0000e-005	6.4200e-003	1.6900e-003	6.0000e-005	1.7500e-003	0.0000	5.8853	5.8853	4.1000e-004	0.0000	5.8939	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.2185	0.1868	3.0000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	25.5325	25.5325	2.7000e-003	0.0000	25.5891
Total	0.8349	0.2185	0.1868	3.0000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	25.5325	25.5325	2.7000e-003	0.0000	25.5891

3.7 Architectural Coating - 2017

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	3.3400e-003	5.4100e-003	0.0480	8.0000e-005	6.3600e-003	7.0000e-005	6.4200e-003	1.6900e-003	6.0000e-005	1.7500e-003	0.0000	5.8853	5.8853	4.1000e-004	0.0000	5.8939
Total	3.3400e-003	5.4100e-003	0.0480	8.0000e-005	6.3600e-003	7.0000e-005	6.4200e-003	1.6900e-003	6.0000e-005	1.7500e-003	0.0000	5.8853	5.8853	4.1000e-004	0.0000	5.8939

4.0 Operational Detail - Mobile

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	0.5210	1.1442	5.4076	8.3300e-003	0.5293	0.0130	0.5423	0.1418	0.0120	0.1538	0.0000	642.1160	642.1160	0.0352	0.0000	642.8555
Unmitigated	0.5210	1.1442	5.4076	8.3300e-003	0.5293	0.0130	0.5423	0.1418	0.0120	0.1538	0.0000	642.1160	642.1160	0.0352	0.0000	642.8555

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	746.25	746.25	746.25	1,417,823	1,417,823
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Total	746.25	746.25	746.25	1,417,823	1,417,823

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
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
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.466577	0.039911	0.201733	0.176253	0.050904	0.007245	0.019183	0.021019	0.004490	0.001936	0.007540	0.000947	0.002261

5.0 Energy Detail

5.1 Fleet Mix

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	191.2220	191.2220	8.6500e-003	1.7900e-003	191.9582
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	191.2220	191.2220	8.6500e-003	1.7900e-003	191.9582
NaturalGas Mitigated	0.0192	0.1741	0.1463	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	189.5460	189.5460	3.6300e-003	3.4800e-003	190.6996
NaturalGas Unmitigated	0.0192	0.1741	0.1463	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	189.5460	189.5460	3.6300e-003	3.4800e-003	190.6996

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					
Quality Restaurant	522324	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8732	27.8732	5.3000e-004	5.1000e-004	28.0428
Recreational Swimming Pool	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
Hotel	3.02963e+006	0.0163	0.1485	0.1248	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.6728	161.6728	3.1000e-003	2.9600e-003	162.6567
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
Total		0.0192	0.1741	0.1463	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	189.5460	189.5460	3.6300e-003	3.4700e-003	190.6996

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Quality Restaurant	522324	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8732	27.8732	5.3000e-004	5.1000e-004	28.0428
Recreational Swimming Pool	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
Hotel	3.02963e+006	0.0163	0.1485	0.1248	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.6728	161.6728	3.1000e-003	2.9600e-003	162.6567
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
Total		0.0192	0.1741	0.1463	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	189.5460	189.5460	3.6300e-003	3.4700e-003	190.6996

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	551318	160.3846	7.2500e-003	1.5000e-003	161.0021
Parking Lot	21135	6.1484	2.8000e-004	6.0000e-005	6.1721
Quality Restaurant	84867.8	24.6890	1.1200e-003	2.3000e-004	24.7841
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		191.2220	8.6500e-003	1.7900e-003	191.9582

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	551318	160.3846	7.2500e-003	1.5000e-003	161.0021
Parking Lot	21135	6.1484	2.8000e-004	6.0000e-005	6.1721
Quality Restaurant	84867.8	24.6890	1.1200e-003	2.3000e-004	24.7841
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		191.2220	8.6500e-003	1.7900e-003	191.9582

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	0.4416	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-003
Unmitigated	0.4416	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-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	0.0802					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-003
Total	0.4416	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-003

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	0.0802					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-003
Total	0.4416	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7800e-003	3.7800e-003	1.0000e-005	0.0000	4.0000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.9283	0.1294	3.1100e-003	11.6093
Unmitigated	7.9283	0.1294	3.1100e-003	11.6113

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.17085 / 0.352316	6.3560	0.1036	2.4900e-003	9.3026
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0.752764 / 0.0480487	1.4727	0.0246	5.9000e-004	2.1721
Recreational Swimming Pool	0.0396259 / 0.0242868	0.0997	1.3000e-003	3.0000e-005	0.1366
Total		7.9284	0.1294	3.1100e-003	11.6113

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.17085 / 0.352316	6.3560	0.1036	2.4900e-003	9.3010
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0.752764 / 0.0480487	1.4727	0.0246	5.9000e-004	2.1717
Recreational Swimming Pool	0.0396259 / 0.0242868	0.0997	1.2900e-003	3.0000e-005	0.1366
Total		7.9284	0.1294	3.1100e-003	11.6093

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.1269	0.8940	0.0000	33.9003
Unmitigated	15.1269	0.8940	0.0000	33.9003

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	68.44	13.8927	0.8210	0.0000	31.1344
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.26	0.4588	0.0271	0.0000	1.0281
Recreational Swimming Pool	3.82	0.7754	0.0458	0.0000	1.7378
Total		15.1269	0.8940	0.0000	33.9003

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	68.44	13.8927	0.8210	0.0000	31.1344
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.26	0.4588	0.0271	0.0000	1.0281
Recreational Swimming Pool	3.82	0.7754	0.0458	0.0000	1.7378
Total		15.1269	0.8940	0.0000	33.9003

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Vegetation

Existing Onsite Operations - Pacific Grove Hotel Project Monterey County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	17.65	1000sqft	0.41	17,650.00	0
Parking Lot	21.03	1000sqft	0.48	21,025.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.8	Precipitation Freq (Days)	55
Climate Zone	4			Operational Year	2017
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - No construction this model

Vehicle Trips - Trip generation per Traffic Impact Memo

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleTrips	ST_TR	42.04	44.50
tblVehicleTrips	SU_TR	20.43	44.50
tblVehicleTrips	WD_TR	44.32	44.50

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	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
Year	tons/yr										MT/yr					
2017	0.2127	5.5100e-003	5.1200e-003	1.0000e-005	6.0000e-005	4.3000e-004	4.9000e-004	2.0000e-005	4.3000e-004	4.5000e-004	0.0000	0.6935	0.6935	7.0000e-005	0.0000	0.6950
Total	0.2127	5.5100e-003	5.1200e-003	1.0000e-005	6.0000e-005	4.3000e-004	4.9000e-004	2.0000e-005	4.3000e-004	4.5000e-004	0.0000	0.6935	0.6935	7.0000e-005	0.0000	0.6950

Mitigated Construction

	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
Year	tons/yr										MT/yr					
2017	0.2127	5.5100e-003	5.1200e-003	1.0000e-005	6.0000e-005	4.3000e-004	4.9000e-004	2.0000e-005	4.3000e-004	4.5000e-004	0.0000	0.6935	0.6935	7.0000e-005	0.0000	0.6950
Total	0.2127	5.5100e-003	5.1200e-003	1.0000e-005	6.0000e-005	4.3000e-004	4.9000e-004	2.0000e-005	4.3000e-004	4.5000e-004	0.0000	0.6935	0.6935	7.0000e-005	0.0000	0.6950

	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

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	0.1723	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-003
Energy	2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	67.7510	67.7510	3.0000e-003	6.5000e-004	68.0171
Mobile	0.5165	1.0286	5.0394	7.1800e-003	0.4515	0.0114	0.4629	0.1210	0.0105	0.1315	0.0000	553.1578	553.1578	0.0311	0.0000	553.8106
Waste						0.0000	0.0000		0.0000	0.0000	3.7614	0.0000	3.7614	0.2223	0.0000	8.4296
Water						0.0000	0.0000		0.0000	0.0000	0.4148	2.8739	3.2886	0.0427	1.0300e-003	4.5061
Total	0.6890	1.0308	5.0418	7.1900e-003	0.4515	0.0115	0.4631	0.1210	0.0106	0.1316	4.1762	623.7837	627.9599	0.2991	1.6800e-003	634.7644

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	0.1723	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-003
Energy	2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	67.7510	67.7510	3.0000e-003	6.5000e-004	68.0171
Mobile	0.5165	1.0286	5.0394	7.1800e-003	0.4515	0.0114	0.4629	0.1210	0.0105	0.1315	0.0000	553.1578	553.1578	0.0311	0.0000	553.8106
Waste						0.0000	0.0000		0.0000	0.0000	3.7614	0.0000	3.7614	0.2223	0.0000	8.4296
Water						0.0000	0.0000		0.0000	0.0000	0.4148	2.8739	3.2886	0.0427	1.0300e-003	4.5055
Total	0.6890	1.0308	5.0418	7.1900e-003	0.4515	0.0115	0.4631	0.1210	0.0106	0.1316	4.1762	623.7837	627.9599	0.2991	1.6800e-003	634.7637

	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	Architectural Coating	Architectural Coating	6/15/2017	6/21/2017	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 27,421; Non-Residential Outdoor: 9,140 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	5.4600e-003	4.6700e-003	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6397
Total	0.2127	5.4600e-003	4.6700e-003	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6397

3.2 Architectural Coating - 2017

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	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	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0552	0.0552	0.0000	0.0000	0.0553	0.0553
Total	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0552	0.0552	0.0000	0.0000	0.0553	0.0553

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	5.4600e-003	4.6700e-003	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6397
Total	0.2127	5.4600e-003	4.6700e-003	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.6383	0.6383	7.0000e-005	0.0000	0.6397

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0552	0.0552	0.0000	0.0000	0.0553
Total	3.0000e-005	5.0000e-005	4.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0552	0.0552	0.0000	0.0000	0.0553

4.0 Operational Detail - Mobile

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	0.5165	1.0286	5.0394	7.1800e-003	0.4515	0.0114	0.4629	0.1210	0.0105	0.1315	0.0000	553.1578	553.1578	0.0311	0.0000	553.8106
Unmitigated	0.5165	1.0286	5.0394	7.1800e-003	0.4515	0.0114	0.4629	0.1210	0.0105	0.1315	0.0000	553.1578	553.1578	0.0311	0.0000	553.8106

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Strip Mall	785.43	785.43	785.43	1,209,580	1,209,580
Total	785.43	785.43	785.43	1,209,580	1,209,580

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
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.466577	0.039911	0.201733	0.176253	0.050904	0.007245	0.019183	0.021019	0.004490	0.001936	0.007540	0.000947	0.002261

5.0 Energy Detail

4.4 Fleet Mix

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	65.4058	65.4058	2.9600e-003	6.1000e-004	65.6576
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	65.4058	65.4058	2.9600e-003	6.1000e-004	65.6576
NaturalGas Mitigated	2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3453	2.3453	4.0000e-005	4.0000e-005	2.3595
NaturalGas Unmitigated	2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3453	2.3453	4.0000e-005	4.0000e-005	2.3595

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					
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	43948.5	2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3453	2.3453	4.0000e-005	4.0000e-005	2.3595
Total		2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3453	2.3453	4.0000e-005	4.0000e-005	2.3595

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	43948.5	2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3453	2.3453	4.0000e-005	4.0000e-005	2.3595
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
Total		2.4000e-004	2.1500e-003	1.8100e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3453	2.3453	4.0000e-005	4.0000e-005	2.3595

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	18502	5.3824	2.4000e-004	5.0000e-005	5.4032
Strip Mall	206329	60.0233	2.7100e-003	5.6000e-004	60.2544
Total		65.4058	2.9500e-003	6.1000e-004	65.6576

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	18502	5.3824	2.4000e-004	5.0000e-005	5.4032
Strip Mall	206329	60.0233	2.7100e-003	5.6000e-004	60.2544
Total		65.4058	2.9500e-003	6.1000e-004	65.6576

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	0.1723	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-003
Unmitigated	0.1723	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-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	0.0212					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1511					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-003
Total	0.1723	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-003

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	0.0212					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1511					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-003
Total	0.1723	0.0000	5.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.6000e-004	9.6000e-004	0.0000	0.0000	1.0200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.2886	0.0427	1.0300e-003	4.5055
Unmitigated	3.2886	0.0427	1.0300e-003	4.5061

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	1.30738 / 0.801297	3.2886	0.0427	1.0300e-003	4.5061
Total		3.2886	0.0427	1.0300e-003	4.5061

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	1.30738 / 0.801297	3.2886	0.0427	1.0300e-003	4.5055
Total		3.2886	0.0427	1.0300e-003	4.5055

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	3.7614	0.2223	0.0000	8.4296
Mitigated	3.7614	0.2223	0.0000	8.4296

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	18.53	3.7614	0.2223	0.0000	8.4296
Total		3.7614	0.2223	0.0000	8.4296

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	18.53	3.7614	0.2223	0.0000	8.4296
Total		3.7614	0.2223	0.0000	8.4296

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Vegetation
