

APPENDIX 9 – ENERGY

hotel - Monterey County, Annual

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	15.59	1000sqft	0.36	15,590.00	0
Hotel	125.00	Room	0.55	63,755.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	55
Climate Zone	4			Operational Year	2019
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 - Four Story Hotel, total area 63,775 sq ft, foot print 24,130 sq ft (0.55 acre)

Table Name	Column Name	Default Value	New Value
tblLandUse	BuildingSpaceSquareFeet	181,500.00	63,755.00
tblLandUse	LandUseSquareFeet	181,500.00	63,755.00
tblLandUse	LotAcreage	4.17	0.55
tblProjectCharacteristics	OperationalYear	2018	2019

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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	0.0784	0.7334	0.5197	8.9000e-004	0.0170	0.0439	0.0609	4.7800e-003	0.0406	0.0454	0.0000	82.3599	82.3599	0.0175	0.0000	82.7963
2018	0.4578	0.0991	0.0799	1.4000e-004	2.4100e-003	5.6600e-003	8.0700e-003	6.5000e-004	5.2500e-003	5.9000e-003	0.0000	12.6971	12.6971	2.7300e-003	0.0000	12.7654
Maximum	0.4578	0.7334	0.5197	8.9000e-004	0.0170	0.0439	0.0609	4.7800e-003	0.0406	0.0454	0.0000	82.3599	82.3599	0.0175	0.0000	82.7963

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	0.0784	0.7334	0.5197	8.9000e-004	0.0170	0.0439	0.0609	4.7800e-003	0.0406	0.0454	0.0000	82.3598	82.3598	0.0175	0.0000	82.7962
2018	0.4578	0.0991	0.0799	1.4000e-004	2.4100e-003	5.6600e-003	8.0700e-003	6.5000e-004	5.2500e-003	5.9000e-003	0.0000	12.6971	12.6971	2.7300e-003	0.0000	12.7654
Maximum	0.4578	0.7334	0.5197	8.9000e-004	0.0170	0.0439	0.0609	4.7800e-003	0.0406	0.0454	0.0000	82.3598	82.3598	0.0175	0.0000	82.7962

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-10-2017	11-9-2017	0.5107	0.5107
2	11-10-2017	2-9-2018	0.8627	0.8627
		Highest	0.8627	0.8627

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	0.2948	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-003
Energy	0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	299.7196	299.7196	9.6100e-003	4.1600e-003	301.2005
Mobile	0.4319	1.7131	4.5854	9.9800e-003	0.7000	0.0137	0.7138	0.1881	0.0129	0.2010	0.0000	911.6812	911.6812	0.0570	0.0000	913.1069
Waste						0.0000	0.0000		0.0000	0.0000	13.8927	0.0000	13.8927	0.8210	0.0000	34.4186
Water						0.0000	0.0000		0.0000	0.0000	1.0060	5.3500	6.3560	0.1036	2.4900e-003	9.6870
Total	0.7420	1.8522	4.7041	0.0108	0.7000	0.0243	0.7243	0.1881	0.0235	0.2116	14.8987	1,216.7542	1,231.6529	0.9913	6.6500e-003	1,258.4167

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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	0.2948	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-003
Energy	0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	299.7196	299.7196	9.6100e-003	4.1600e-003	301.2005
Mobile	0.4319	1.7131	4.5854	9.9800e-003	0.7000	0.0137	0.7138	0.1881	0.0129	0.2010	0.0000	911.6812	911.6812	0.0570	0.0000	913.1069
Waste						0.0000	0.0000		0.0000	0.0000	13.8927	0.0000	13.8927	0.8210	0.0000	34.4186
Water						0.0000	0.0000		0.0000	0.0000	1.0060	5.3500	6.3560	0.1036	2.4900e-003	9.6870
Total	0.7420	1.8522	4.7041	0.0108	0.7000	0.0243	0.7243	0.1881	0.0235	0.2116	14.8987	1,216.7542	1,231.6529	0.9913	6.6500e-003	1,258.4167

	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/23/2018	1/29/2018	5	5	
2	Building Construction	Building Construction	8/29/2017	1/15/2018	5	100	
3	Demolition	Demolition	8/10/2017	8/23/2017	5	10	
4	Grading	Grading	8/25/2017	8/28/2017	5	2	
5	Paving	Paving	1/16/2018	1/22/2018	5	5	
6	Site Preparation	Site Preparation	8/24/2017	8/24/2017	5	1	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,633; Non-Residential Outdoor: 31,878; Striped Parking Area: 935 (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	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	33.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

3.2 Architectural Coating - 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					
Archit. Coating	0.4465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5000e-004	5.0100e-003	4.6400e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.6383	0.6383	6.0000e-005	0.0000	0.6398
Total	0.4473	5.0100e-003	4.6400e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.6383	0.6383	6.0000e-005	0.0000	0.6398

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	9.0000e-005	9.0000e-005	8.2000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1404	0.1404	1.0000e-005	0.0000	0.1406
Total	9.0000e-005	9.0000e-005	8.2000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1404	0.1404	1.0000e-005	0.0000	0.1406

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3.2 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5000e-004	5.0100e-003	4.6400e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.6383	0.6383	6.0000e-005	0.0000	0.6398
Total	0.4473	5.0100e-003	4.6400e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	0.6383	0.6383	6.0000e-005	0.0000	0.6398

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	9.0000e-005	9.0000e-005	8.2000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1404	0.1404	1.0000e-005	0.0000	0.1406
Total	9.0000e-005	9.0000e-005	8.2000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1404	0.1404	1.0000e-005	0.0000	0.1406

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3.3 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	0.0570	0.5678	0.3591	5.1000e-004		0.0382	0.0382		0.0352	0.0352	0.0000	47.0677	47.0677	0.0144	0.0000	47.4283
Total	0.0570	0.5678	0.3591	5.1000e-004		0.0382	0.0382		0.0352	0.0352	0.0000	47.0677	47.0677	0.0144	0.0000	47.4283

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	4.2600e-003	0.0882	0.0290	1.7000e-004	3.8100e-003	9.3000e-004	4.7400e-003	1.1000e-003	8.9000e-004	1.9900e-003	0.0000	15.8107	15.8107	8.8000e-004	0.0000	15.8328
Worker	9.0100e-003	8.8100e-003	0.0785	1.3000e-004	0.0117	1.2000e-004	0.0118	3.1000e-003	1.1000e-004	3.2100e-003	0.0000	12.0942	12.0942	7.2000e-004	0.0000	12.1122
Total	0.0133	0.0970	0.1075	3.0000e-004	0.0155	1.0500e-003	0.0165	4.2000e-003	1.0000e-003	5.2000e-003	0.0000	27.9049	27.9049	1.6000e-003	0.0000	27.9450

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3.3 Building Construction - 2017

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	0.0570	0.5678	0.3591	5.1000e-004		0.0382	0.0382		0.0352	0.0352	0.0000	47.0677	47.0677	0.0144	0.0000	47.4282
Total	0.0570	0.5678	0.3591	5.1000e-004		0.0382	0.0382		0.0352	0.0352	0.0000	47.0677	47.0677	0.0144	0.0000	47.4282

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	4.2600e-003	0.0882	0.0290	1.7000e-004	3.8100e-003	9.3000e-004	4.7400e-003	1.1000e-003	8.9000e-004	1.9900e-003	0.0000	15.8107	15.8107	8.8000e-004	0.0000	15.8328
Worker	9.0100e-003	8.8100e-003	0.0785	1.3000e-004	0.0117	1.2000e-004	0.0118	3.1000e-003	1.1000e-004	3.2100e-003	0.0000	12.0942	12.0942	7.2000e-004	0.0000	12.1122
Total	0.0133	0.0970	0.1075	3.0000e-004	0.0155	1.0500e-003	0.0165	4.2000e-003	1.0000e-003	5.2000e-003	0.0000	27.9049	27.9049	1.6000e-003	0.0000	27.9450

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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	5.9700e-003	0.0607	0.0426	6.0000e-005		3.9000e-003	3.9000e-003		3.5900e-003	3.5900e-003	0.0000	5.7206	5.7206	1.7800e-003	0.0000	5.7652
Total	5.9700e-003	0.0607	0.0426	6.0000e-005		3.9000e-003	3.9000e-003		3.5900e-003	3.5900e-003	0.0000	5.7206	5.7206	1.7800e-003	0.0000	5.7652

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	4.6000e-004	0.0103	3.1500e-003	2.0000e-005	4.7000e-004	9.0000e-005	5.6000e-004	1.4000e-004	9.0000e-005	2.3000e-004	0.0000	1.9538	1.9538	1.0000e-004	0.0000	1.9564
Worker	9.8000e-004	9.5000e-004	8.4600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4600e-003	3.8000e-004	1.0000e-005	4.0000e-004	0.0000	1.4559	1.4559	8.0000e-005	0.0000	1.4579
Total	1.4400e-003	0.0112	0.0116	4.0000e-005	1.9100e-003	1.0000e-004	2.0200e-003	5.2000e-004	1.0000e-004	6.3000e-004	0.0000	3.4097	3.4097	1.8000e-004	0.0000	3.4142

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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	5.9700e-003	0.0607	0.0426	6.0000e-005		3.9000e-003	3.9000e-003		3.5900e-003	3.5900e-003	0.0000	5.7206	5.7206	1.7800e-003	0.0000	5.7652
Total	5.9700e-003	0.0607	0.0426	6.0000e-005		3.9000e-003	3.9000e-003		3.5900e-003	3.5900e-003	0.0000	5.7206	5.7206	1.7800e-003	0.0000	5.7652

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	4.6000e-004	0.0103	3.1500e-003	2.0000e-005	4.7000e-004	9.0000e-005	5.6000e-004	1.4000e-004	9.0000e-005	2.3000e-004	0.0000	1.9538	1.9538	1.0000e-004	0.0000	1.9564
Worker	9.8000e-004	9.5000e-004	8.4600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4600e-003	3.8000e-004	1.0000e-005	4.0000e-004	0.0000	1.4559	1.4559	8.0000e-005	0.0000	1.4579
Total	1.4400e-003	0.0112	0.0116	4.0000e-005	1.9100e-003	1.0000e-004	2.0200e-003	5.2000e-004	1.0000e-004	6.3000e-004	0.0000	3.4097	3.4097	1.8000e-004	0.0000	3.4142

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3.4 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					
Off-Road	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3493	5.3493	1.0500e-003	0.0000	5.3755
Total	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3493	5.3493	1.0500e-003	0.0000	5.3755

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	3.1000e-004	3.0000e-004	2.6700e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.4118	0.4118	2.0000e-005	0.0000	0.4124
Total	3.1000e-004	3.0000e-004	2.6700e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.4118	0.4118	2.0000e-005	0.0000	0.4124

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3.4 Demolition - 2017

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	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3492	5.3492	1.0500e-003	0.0000	5.3755
Total	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3492	5.3492	1.0500e-003	0.0000	5.3755

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	3.1000e-004	3.0000e-004	2.6700e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.4118	0.4118	2.0000e-005	0.0000	0.4124
Total	3.1000e-004	3.0000e-004	2.6700e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.4118	0.4118	2.0000e-005	0.0000	0.4124

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3.5 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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	0.0105	7.9200e-003	1.0000e-005		7.3000e-004	7.3000e-004		7.0000e-004	7.0000e-004	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751
Total	1.2100e-003	0.0105	7.9200e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	7.0000e-004	1.1100e-003	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751

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	6.0000e-005	6.0000e-005	5.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0824	0.0824	0.0000	0.0000	0.0825
Total	6.0000e-005	6.0000e-005	5.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0824	0.0824	0.0000	0.0000	0.0825

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3.5 Grading - 2017

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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	0.0105	7.9200e-003	1.0000e-005		7.3000e-004	7.3000e-004		7.0000e-004	7.0000e-004	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751
Total	1.2100e-003	0.0105	7.9200e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	7.0000e-004	1.1100e-003	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751

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	6.0000e-005	6.0000e-005	5.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0824	0.0824	0.0000	0.0000	0.0825
Total	6.0000e-005	6.0000e-005	5.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0824	0.0824	0.0000	0.0000	0.0825

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3.6 Paving - 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	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	4.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7700e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441

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	2.4000e-004	2.4000e-004	2.1000e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3615
Total	2.4000e-004	2.4000e-004	2.1000e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3615

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3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	4.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7700e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441

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	2.4000e-004	2.4000e-004	2.1000e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3615
Total	2.4000e-004	2.4000e-004	2.1000e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3610	0.3610	2.0000e-005	0.0000	0.3615

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3.7 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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	5.2600e-003	2.1800e-003	0.0000		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569
Total	4.3000e-004	5.2600e-003	2.1800e-003	0.0000	2.7000e-004	2.4000e-004	5.1000e-004	3.0000e-005	2.2000e-004	2.5000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569

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	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0206	0.0206	0.0000	0.0000	0.0206
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0206	0.0206	0.0000	0.0000	0.0206

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3.7 Site Preparation - 2017

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	5.2600e-003	2.1800e-003	0.0000		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569
Total	4.3000e-004	5.2600e-003	2.1800e-003	0.0000	2.7000e-004	2.4000e-004	5.1000e-004	3.0000e-005	2.2000e-004	2.5000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569

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	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0206	0.0206	0.0000	0.0000	0.0206
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0206	0.0206	0.0000	0.0000	0.0206

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4319	1.7131	4.5854	9.9800e-003	0.7000	0.0137	0.7138	0.1881	0.0129	0.2010	0.0000	911.6812	911.6812	0.0570	0.0000	913.1069
Unmitigated	0.4319	1.7131	4.5854	9.9800e-003	0.7000	0.0137	0.7138	0.1881	0.0129	0.2010	0.0000	911.6812	911.6812	0.0570	0.0000	913.1069

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,021.25	1,023.75	743.75	1,865,664	1,865,664
Parking Lot	0.00	0.00	0.00		
Total	1,021.25	1,023.75	743.75	1,865,664	1,865,664

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

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.526395	0.032321	0.201107	0.146365	0.026644	0.006320	0.017996	0.025422	0.004154	0.003072	0.007973	0.001269	0.000961
Hotel	0.526395	0.032321	0.201107	0.146365	0.026644	0.006320	0.017996	0.025422	0.004154	0.003072	0.007973	0.001269	0.000961

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	148.2872	148.2872	6.7100e-003	1.3900e-003	148.8682
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	148.2872	148.2872	6.7100e-003	1.3900e-003	148.8682
NaturalGas Mitigated	0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.4324	151.4324	2.9000e-003	2.7800e-003	152.3322
NaturalGas Unmitigated	0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.4324	151.4324	2.9000e-003	2.7800e-003	152.3322

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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					
Hotel	2.83774e+006	0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.4324	151.4324	2.9000e-003	2.7800e-003	152.3322
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		0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.4324	151.4324	2.9000e-003	2.7800e-003	152.3322

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					
Hotel	2.83774e+006	0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.4324	151.4324	2.9000e-003	2.7800e-003	152.3322
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		0.0153	0.1391	0.1169	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.4324	151.4324	2.9000e-003	2.7800e-003	152.3322

hotel - Monterey County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	496014	144.2961	6.5200e-003	1.3500e-003	144.8615
Parking Lot	13719.2	3.9911	1.8000e-004	4.0000e-005	4.0067
Total		148.2872	6.7000e-003	1.3900e-003	148.8682

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	496014	144.2961	6.5200e-003	1.3500e-003	144.8615
Parking Lot	13719.2	3.9911	1.8000e-004	4.0000e-005	4.0067
Total		148.2872	6.7000e-003	1.3900e-003	148.8682

6.0 Area Detail

6.1 Mitigation Measures Area

hotel - Monterey County, Annual

	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	0.2948	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-003
Unmitigated	0.2948	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-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	0.0447					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-003
Total	0.2948	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-003

hotel - Monterey County, Annual

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	0.0447					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-003
Total	0.2948	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.4900e-003	3.4900e-003	1.0000e-005	0.0000	3.7300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

hotel - Monterey County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.3560	0.1036	2.4900e-003	9.6870
Unmitigated	6.3560	0.1036	2.4900e-003	9.6870

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	9.6870
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.3560	0.1036	2.4900e-003	9.6870

hotel - Monterey County, Annual

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	9.6870
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.3560	0.1036	2.4900e-003	9.6870

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.8927	0.8210	0.0000	34.4186
Unmitigated	13.8927	0.8210	0.0000	34.4186

hotel - Monterey County, Annual

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	34.4186
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		13.8927	0.8210	0.0000	34.4186

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	68.44	13.8927	0.8210	0.0000	34.4186
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		13.8927	0.8210	0.0000	34.4186

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

On Road

calendar_y	season	mcsub_area	vehicle_cla	pollutant	emission
2012	Annual	Monterey (LDA	Fuel		186.6494
2012	Annual	Monterey (LDT1	Fuel		17.93925
2012	Annual	Monterey (LDT2	Fuel		108.529
2012	Annual	Monterey (LHD1	Fuel		30.90059
2012	Annual	Monterey (LHD2	Fuel		6.726134
2012	Annual	Monterey (MCY	Fuel		2.300788
2012	Annual	Monterey (MDV	Fuel		127.9832
2012	Annual	Monterey (MH	Fuel		1.918776
2012	Annual	Monterey (PTO	Fuel		1.225972
2012	Annual	Monterey (SBUS	Fuel		1.507344
2012	Annual	Monterey (UBUS	Fuel		7.949015
2012	Annual	Monterey (Motor Coa	Fuel		1.933358
2012	Annual	Monterey (OBUS	Fuel		2.594958
2012	Annual	Monterey (All Other B	Fuel		1.955152
					500.113

500113 182,541,246

Heavy Duty Equipment

calendar_y	season	mcsub_area	vehicle_cla	pollutant	emission
2012	Annual	Monterey |T6 Ag	Fuel		0.617589
2012	Annual	Monterey |T6 CAIRP H	Fuel		0.059786
2012	Annual	Monterey |T6 CAIRP S	Fuel		0.183988
2012	Annual	Monterey |T6 Instate (	Fuel		0.425215
2012	Annual	Monterey |T6 Instate (	Fuel		1.950645
2012	Annual	Monterey |T6 Instate (	Fuel		4.214643
2012	Annual	Monterey |T6 Instate (	Fuel		9.4939
2012	Annual	Monterey |T6 OOS He	Fuel		0.034337
2012	Annual	Monterey |T6 OOS Sm	Fuel		0.105418
2012	Annual	Monterey |T6 Public	Fuel		0.422967
2012	Annual	Monterey |T6 Utility	Fuel		0.13161
2012	Annual	Monterey |T6TS	Fuel		5.313593
2012	Annual	Monterey |T7 Ag	Fuel		0.407802
2012	Annual	Monterey |T7 CAIRP	Fuel		8.044528
2012	Annual	Monterey |T7 CAIRP C	Fuel		0.44938
2012	Annual	Monterey |T7 NNOOS	Fuel		10.01146
2012	Annual	Monterey |T7 NOOS	Fuel		3.223189
2012	Annual	Monterey |T7 POAK	Fuel		0.394038
2012	Annual	Monterey |T7 Public	Fuel		0.931262
2012	Annual	Monterey |T7 Single	Fuel		4.904187
2012	Annual	Monterey |T7 Single C	Fuel		1.135572
2012	Annual	Monterey |T7 SWCV	Fuel		2.99214
2012	Annual	Monterey |T7 Tractor	Fuel		5.342453
2012	Annual	Monterey |T7 Tractor	Fuel		0.846592
2012	Annual	Monterey |T7 Utility	Fuel		0.067143
2012	Annual	Monterey |T7IS	Fuel		1.016383
					62.71982

62719.82 22,892,735

On Road

calendar_y	season	mcsub_area	vehicle_cla	pollutant	emission
2013	Annual	Monterey (LDA	Fuel		190.724
2013	Annual	Monterey (LDT1	Fuel		18.26983
2013	Annual	Monterey (LDT2	Fuel		108.64
2013	Annual	Monterey (LHD1	Fuel		29.82344
2013	Annual	Monterey (LHD2	Fuel		6.585571
2013	Annual	Monterey (MCY	Fuel		2.289754
2013	Annual	Monterey (MDV	Fuel		126.2334
2013	Annual	Monterey (MH	Fuel		1.857889
2013	Annual	Monterey (PTO	Fuel		1.255129
2013	Annual	Monterey (SBUS	Fuel		1.505645
2013	Annual	Monterey (UBUS	Fuel		7.900441
2013	Annual	Monterey (Motor Coa	Fuel		2.012235
2013	Annual	Monterey (OBUS	Fuel		2.522496
2013	Annual	Monterey (All Other B	Fuel		1.940263
					501.56

501560 183,069,418

Heavy Duty Equipment

calendar_y	season	mcsub_area	vehicle_cla	pollutant	emission
2013	Annual	Monterey |T6 Ag	Fuel		0.61759
2013	Annual	Monterey |T6 CAIRP H	Fuel		0.061624
2013	Annual	Monterey |T6 CAIRP S	Fuel		0.192825
2013	Annual	Monterey |T6 Instate (	Fuel		0.390673
2013	Annual	Monterey |T6 Instate (	Fuel		1.79363
2013	Annual	Monterey |T6 Instate (	Fuel		4.2031
2013	Annual	Monterey |T6 Instate (	Fuel		9.777702
2013	Annual	Monterey |T6 OOS He	Fuel		0.035436
2013	Annual	Monterey |T6 OOS Sm	Fuel		0.110481
2013	Annual	Monterey |T6 Public	Fuel		0.413984
2013	Annual	Monterey |T6 Utility	Fuel		0.133486
2013	Annual	Monterey |T6TS	Fuel		5.000173
2013	Annual	Monterey |T7 Ag	Fuel		0.407805
2013	Annual	Monterey |T7 CAIRP	Fuel		8.221261
2013	Annual	Monterey |T7 CAIRP C	Fuel		0.412882
2013	Annual	Monterey |T7 NNOOS	Fuel		10.19194
2013	Annual	Monterey |T7 NOOS	Fuel		3.294931
2013	Annual	Monterey |T7 POAK	Fuel		0.396434
2013	Annual	Monterey |T7 Public	Fuel		0.909771
2013	Annual	Monterey |T7 Single	Fuel		5.01462
2013	Annual	Monterey |T7 Single C	Fuel		1.03886
2013	Annual	Monterey |T7 SWCV	Fuel		3.024297
2013	Annual	Monterey |T7 Tractor	Fuel		5.441253
2013	Annual	Monterey |T7 Tractor	Fuel		0.774527
2013	Annual	Monterey |T7 Utility	Fuel		0.067035
2013	Annual	Monterey |T7IS	Fuel		0.966325
					62.89264

62892.64 22,955,815

On Road

calendar_y	season	mcsub_area	vehicle_cla	pollutant	emission
2014	Annual	Monterey (LDA	Fuel		195.0312
2014	Annual	Monterey (LDT1	Fuel		18.2954
2014	Annual	Monterey (LDT2	Fuel		108.9359
2014	Annual	Monterey (LHD1	Fuel		28.67852
2014	Annual	Monterey (LHD2	Fuel		6.378916
2014	Annual	Monterey (MCY	Fuel		2.284665
2014	Annual	Monterey (MDV	Fuel		123.92
2014	Annual	Monterey (MH	Fuel		1.798378
2014	Annual	Monterey (PTO	Fuel		1.25927
2014	Annual	Monterey (SBUS	Fuel		1.531568
2014	Annual	Monterey (UBUS	Fuel		7.784188
2014	Annual	Monterey (Motor Coa	Fuel		2.068325
2014	Annual	Monterey (OBUS	Fuel		2.457271
2014	Annual	Monterey (All Other B	Fuel		1.880822
					502.3044

502304.4 183,341,102

Heavy Duty Equipment

calendar_y	season	mcsub_area	vehicle_cla	pollutant	emission
2014	Annual	Monterey |T6 Ag	Fuel		0.617558
2014	Annual	Monterey |T6 CAIRP H	Fuel		0.063751
2014	Annual	Monterey |T6 CAIRP S	Fuel		0.198455
2014	Annual	Monterey |T6 Instate (	Fuel		0.350805
2014	Annual	Monterey |T6 Instate (	Fuel		1.604365
2014	Annual	Monterey |T6 Instate (	Fuel		4.236877
2014	Annual	Monterey |T6 Instate (	Fuel		9.905295
2014	Annual	Monterey |T6 OOS He	Fuel		0.036644
2014	Annual	Monterey |T6 OOS Sm	Fuel		0.113707
2014	Annual	Monterey |T6 Public	Fuel		0.398023
2014	Annual	Monterey |T6 Utility	Fuel		0.136424
2014	Annual	Monterey |T6TS	Fuel		4.789807
2014	Annual	Monterey |T7 Ag	Fuel		0.407749
2014	Annual	Monterey |T7 CAIRP	Fuel		8.459632
2014	Annual	Monterey |T7 CAIRP C	Fuel		0.372988
2014	Annual	Monterey |T7 NNOOS	Fuel		10.33882
2014	Annual	Monterey |T7 NOOS	Fuel		3.395104
2014	Annual	Monterey |T7 POAK	Fuel		0.410706
2014	Annual	Monterey |T7 Public	Fuel		0.88557

2014 Annual	Monterey | T7 Single	Fuel	5.033693		
2014 Annual	Monterey | T7 Single C	Fuel	0.925397		
2014 Annual	Monterey | T7 SWCV	Fuel	3.049879		
2014 Annual	Monterey | T7 Tractor	Fuel	5.578138		
2014 Annual	Monterey | T7 Tractor	Fuel	0.692485		
2014 Annual	Monterey | T7 Utility	Fuel	0.066927		
2014 Annual	Monterey | T7IS	Fuel	0.922737		
			62.99154	62991.54	22,991,912

On Road

calendar_y	season_mc	sub_area	vehicle_cla	pollutant	emission			
2015 Annual		Monterey | LDA	Fuel		198.3452			
2015 Annual		Monterey | LDT1	Fuel		18.00428			
2015 Annual		Monterey | LDT2	Fuel		108.869			
2015 Annual		Monterey | LHD1	Fuel		27.43921			
2015 Annual		Monterey | LHD2	Fuel		6.161806			
2015 Annual		Monterey | MCY	Fuel		2.280753			
2015 Annual		Monterey | MDV	Fuel		120.8413			
2015 Annual		Monterey | MH	Fuel		1.728144			
2015 Annual		Monterey | PTO	Fuel		1.288147			
2015 Annual		Monterey | SBUS	Fuel		1.584611			
2015 Annual		Monterey | UBUS	Fuel		7.643658			
2015 Annual		Monterey | Motor Coa	Fuel		2.167652			
2015 Annual		Monterey | OBUS	Fuel		2.39094			
2015 Annual		Monterey | All Other B	Fuel		1.883826			
					500.6285	500628.5	182,729,408	

Heavy Duty Equipment

calendar_y	season_mc	sub_area	vehicle_cla	pollutant	emission			
2015 Annual		Monterey | T6 Ag	Fuel		0.617527			
2015 Annual		Monterey | T6 CAIRP H	Fuel		0.067512			
2015 Annual		Monterey | T6 CAIRP S	Fuel		0.209898			
2015 Annual		Monterey | T6 Instate (	Fuel		0.303667			
2015 Annual		Monterey | T6 Instate (	Fuel		1.39179			
2015 Annual		Monterey | T6 Instate I	Fuel		4.374298			
2015 Annual		Monterey | T6 Instate (	Fuel		10.39203			
2015 Annual		Monterey | T6 OOS He	Fuel		0.0388			
2015 Annual		Monterey | T6 OOS Sm	Fuel		0.120264			
2015 Annual		Monterey | T6 Public	Fuel		0.382437			
2015 Annual		Monterey | T6 Utility	Fuel		0.137501			
2015 Annual		Monterey | T6TS	Fuel		4.584096			
2015 Annual		Monterey | T7 Ag	Fuel		0.407694			
2015 Annual		Monterey | T7 CAIRP	Fuel		8.893078			
2015 Annual		Monterey | T7 CAIRP C	Fuel		0.319729			
2015 Annual		Monterey | T7 NNOOS	Fuel		10.71688			
2015 Annual		Monterey | T7 NOOS	Fuel		3.573754			
2015 Annual		Monterey | T7 POAK	Fuel		0.426091			
2015 Annual		Monterey | T7 Public	Fuel		0.860055			
2015 Annual		Monterey | T7 Single	Fuel		5.160235			
2015 Annual		Monterey | T7 Single C	Fuel		0.792329			
2015 Annual		Monterey | T7 SWCV	Fuel		3.062748			
2015 Annual		Monterey | T7 Tractor	Fuel		5.844338			
2015 Annual		Monterey | T7 Tractor	Fuel		0.593776			
2015 Annual		Monterey | T7 Utility	Fuel		0.067006			
2015 Annual		Monterey | T7IS	Fuel		0.867783			
					64.20532	64205.32	23,434,941	

On Road

calendar_y	season_mc	sub_area	vehicle_cla	pollutant	emission			
2016 Annual		Monterey | LDA	Fuel		201.5926			
2016 Annual		Monterey | LDT1	Fuel		17.53481			
2016 Annual		Monterey | LDT2	Fuel		108.9422			
2016 Annual		Monterey | LHD1	Fuel		26.23907			
2016 Annual		Monterey | LHD2	Fuel		5.958761			
2016 Annual		Monterey | MCY	Fuel		2.290216			
2016 Annual		Monterey | MDV	Fuel		117.6629			
2016 Annual		Monterey | MH	Fuel		1.652335			
2016 Annual		Monterey | PTO	Fuel		1.311922			
2016 Annual		Monterey | SBUS	Fuel		1.627723			
2016 Annual		Monterey | UBUS	Fuel		7.327161			
2016 Annual		Monterey | Motor Coa	Fuel		2.260098			
2016 Annual		Monterey | OBUS	Fuel		2.348569			
2016 Annual		Monterey | All Other B	Fuel		1.861794			
					498.6101	498610.1	181,992,700	

Heavy Duty Equipment

calendar_y	season_mc	sub_area	vehicle_cla	pollutant	emission			
2016 Annual		Monterey | T6 Ag	Fuel		0.617499			
2016 Annual		Monterey | T6 CAIRP H	Fuel		0.070709			
2016 Annual		Monterey | T6 CAIRP S	Fuel		0.219327			
2016 Annual		Monterey | T6 Instate (	Fuel		0.286967			
2016 Annual		Monterey | T6 Instate (	Fuel		1.311052			
2016 Annual		Monterey | T6 Instate I	Fuel		4.488211			
2016 Annual		Monterey | T6 Instate (	Fuel		10.7689			
2016 Annual		Monterey | T6 OOS He	Fuel		0.040637			
2016 Annual		Monterey | T6 OOS Sm	Fuel		0.125666			
2016 Annual		Monterey | T6 Public	Fuel		0.36751			
2016 Annual		Monterey | T6 Utility	Fuel		0.13838			
2016 Annual		Monterey | T6TS	Fuel		4.431288			
2016 Annual		Monterey | T7 Ag	Fuel		0.407651			
2016 Annual		Monterey | T7 CAIRP	Fuel		9.260278			
2016 Annual		Monterey | T7 CAIRP C	Fuel		0.298659			
2016 Annual		Monterey | T7 NNOOS	Fuel		11.0201			
2016 Annual		Monterey | T7 NOOS	Fuel		3.726036			
2016 Annual		Monterey | T7 POAK	Fuel		0.447973			
2016 Annual		Monterey | T7 Public	Fuel		0.837674			
2016 Annual		Monterey | T7 Single	Fuel		5.263841			
2016 Annual		Monterey | T7 Single C	Fuel		0.742845			
2016 Annual		Monterey | T7 SWCV	Fuel		3.06728			
2016 Annual		Monterey | T7 Tractor	Fuel		6.078891			
2016 Annual		Monterey | T7 Tractor	Fuel		0.557751			
2016 Annual		Monterey | T7 Utility	Fuel		0.067089			
2016 Annual		Monterey | T7IS	Fuel		0.817833			
					65.46004	65460.04	23,892,915	

On Road

calendar_y	season_mc	sub_area	vehicle_cla	pollutant	emission			
2017 Annual		Monterey | LDA	Fuel		202.8052			
2017 Annual		Monterey | LDT1	Fuel		16.81303			
2017 Annual		Monterey | LDT2	Fuel		108.6734			
2017 Annual		Monterey | LHD1	Fuel		24.96807			
2017 Annual		Monterey | LHD2	Fuel		5.731392			
2017 Annual		Monterey | MCY	Fuel		2.296332			
2017 Annual		Monterey | MDV	Fuel		113.789			
2017 Annual		Monterey | MH	Fuel		1.573657			
2017 Annual		Monterey | PTO	Fuel		1.311997			

Heavy Duty Equipment

calendar_y	season_mc	sub_area	vehicle_cla	pollutant	emission			
2017 Annual		Monterey | T6 Ag	Fuel		0.625914			
2017 Annual		Monterey | T6 CAIRP H	Fuel		0.072833			
2017 Annual		Monterey | T6 CAIRP S	Fuel		0.225605			
2017 Annual		Monterey | T6 Instate (	Fuel		0.267083			
2017 Annual		Monterey | T6 Instate (	Fuel		1.21684			
2017 Annual		Monterey | T6 Instate I	Fuel		4.541999			
2017 Annual		Monterey | T6 Instate (	Fuel		11.00442			
2017 Annual		Monterey | T6 OOS He	Fuel		0.041804			
2017 Annual		Monterey | T6 OOS Sm	Fuel		0.129263			

2017 Annual	Monterey (SBUS	Fuel	1.650835			
2017 Annual	Monterey (UBUS	Fuel	7.150776			
2017 Annual	Monterey (Motor Coa	Fuel	2.31131			
2017 Annual	Monterey (OBUS	Fuel	2.294755			
2017 Annual	Monterey (All Other B	Fuel	1.836925			
			493.2067	493206.7	180,020,437	

2017 Annual	Monterey |T6 Public	Fuel	0.352447			
2017 Annual	Monterey |T6 Utility	Fuel	0.140121			
2017 Annual	Monterey |T6TS	Fuel	4.277378			
2017 Annual	Monterey |T7 Ag	Fuel	0.408187			
2017 Annual	Monterey |T7 CAIRP	Fuel	9.501461			
2017 Annual	Monterey |T7 CAIRP C	Fuel	0.274704			
2017 Annual	Monterey |T7 NNOOS	Fuel	11.18129			
2017 Annual	Monterey |T7 NOOS	Fuel	3.823582			
2017 Annual	Monterey |T7 POAK	Fuel	0.467723			
2017 Annual	Monterey |T7 Public	Fuel	0.813114			
2017 Annual	Monterey |T7 Single	Fuel	5.274197			
2017 Annual	Monterey |T7 Single C	Fuel	0.683514			
2017 Annual	Monterey |T7 SWCV	Fuel	3.066919			
2017 Annual	Monterey |T7 Tractor	Fuel	6.233163			
2017 Annual	Monterey |T7 Tractor	Fuel	0.514169			
2017 Annual	Monterey |T7 Utility	Fuel	0.06536			
2017 Annual	Monterey |T7IS	Fuel	0.775846			
			65.97894	65978.94	24,082,314	

**Proposed Project
Total Construction
Fuel Usage**

Project Action	CO2e (Metric tons)	Total Gallons of Fuel Consumed
Construction		
Project Construction	95.5617	9,415

Total Project Construction **9,415**

Notes:
Fuel used by vehicle hauling trips assumed to be diesel.

Sources:
Carbon Dioxide Equivalent Emissions: See Section 3.4; Conversion Ratios: Climate Registry 2015

Vehicle Type	Percent of Vehicle Trips ¹	Daily Trips ²	Annual Vehicle Miles Traveled ³	Average Fuel Economy (miles per gallon) ⁴	Total Annual Fuel Consumption (gallons) ⁵
Passenger Cars	0.7957	594	1,484,509	21.6	68,727
Light/Medium Trucks	0.081	60	151,119	17.2	8,786
Heavy Trucks/Other	0.1233	92	230,036	6.1	37,711
TOTAL⁶	1	746	1,865,664	--	115,224

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips).
3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips).
4. Average fuel economy derived from the Department of Transportation.
5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
6. Values may be slightly off due to rounding.
7. Based upon data within the *Lido House Hotel Traffic Impact Analysis*, prepared by RBF Consulting, dated April 2014; refer to [Appendix 11.3, Traffic Impact Analysis](#).
8. Total VMT are the reduced VMT (from project design features) obtained from the CalEEMod model.

Source: Refer to [Appendix](#) for CalEEMod assumptions used in this analysis.

Daily Trips 746

Project Annual VMT 1,865,664