

Huttopia Six Sigma Glamping Project - Lake County, Annual

**Huttopia Six Sigma Glamping Project**  
**Lake County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Motel	129.00	Room	5.80	252,865.80	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	67
<b>Climate Zone</b>	1			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Huttopia Six Sigma Glamping Project - Lake County, Annual

Project Characteristics -

Land Use -

Construction Phase - Used Default Values for Motel (deleted Demolition because there will be none)

Off-road Equipment - Used Default Values for Motel

Off-road Equipment - Used Default Values for Motel

Off-road Equipment - Used Default Values for Motel

Off-road Equipment - Used Default Values for Motel

Off-road Equipment - Used Default Values for Motel

Trips and VMT - Used Default Values for Motel

On-road Fugitive Dust - Used Default Values for Motel

Grading - Used Default Values for Motel

Architectural Coating - Used Default Values for Motel. Deleted Parking Lot Paint

Vehicle Trips - Vehicle trips adjusted to account for campers as families. Default value was 726.3 trips per day. Employees live on-site & campers likely take one vehicle. Reduced the trips to 260 trips per day

Vehicle Emission Factors - Used Default Values for Motel

Vehicle Emission Factors - Used Default Values for Motel

Vehicle Emission Factors - Used Default Values for Motel

Road Dust - Used Default Values for Motel

Energy Use - Electricity and Lighting Energy Intensity reduced by 50% to account for campground use verses motel use.

Water And Wastewater - All Wastewater will be Septic. Updated water to match Water Supply and Demand Study.

Stationary Sources - Emergency Generators and Fire Pumps -

## Huttopia Six Sigma Glamping Project - Lake County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblEnergyUse	LightingElect	2.57	1.28
tblEnergyUse	NT24E	2.87	1.44
tblEnergyUse	T24E	2.02	1.01
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	100	25
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	350.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	24.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	168.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	5.63	2.02
tblVehicleTrips	SU_TR	5.63	2.02
tblVehicleTrips	WD_TR	5.63	2.02
tblWater	AerobicPercent	87.46	0.00
tblWater	AnaDigestCombDigestGasPercent	100.00	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	100.00

## 2.0 Emissions Summary

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Huttopia Six Sigma Glamping Project - Lake County, Annual

**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					
2020	0.1196	0.9591	0.8103	1.4600e-003	0.1881	0.0461	0.2342	0.0920	0.0429	0.1349	0.0000	129.4599	129.4599	0.0271	0.0000	130.1378
2021	3.2798	2.3585	2.6937	5.0400e-003	0.1524	0.1040	0.2564	0.0411	0.0977	0.1388	0.0000	446.8416	446.8416	0.0714	0.0000	448.6260
<b>Maximum</b>	<b>3.2798</b>	<b>2.3585</b>	<b>2.6937</b>	<b>5.0400e-003</b>	<b>0.1881</b>	<b>0.1040</b>	<b>0.2564</b>	<b>0.0920</b>	<b>0.0977</b>	<b>0.1388</b>	<b>0.0000</b>	<b>446.8416</b>	<b>446.8416</b>	<b>0.0714</b>	<b>0.0000</b>	<b>448.6260</b>

**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					
2020	0.1196	0.9591	0.8103	1.4600e-003	0.1881	0.0461	0.2342	0.0920	0.0429	0.1349	0.0000	129.4598	129.4598	0.0271	0.0000	130.1376
2021	3.2798	2.3585	2.6937	5.0400e-003	0.1524	0.1040	0.2564	0.0411	0.0977	0.1388	0.0000	446.8413	446.8413	0.0714	0.0000	448.6257
<b>Maximum</b>	<b>3.2798</b>	<b>2.3585</b>	<b>2.6937</b>	<b>5.0400e-003</b>	<b>0.1881</b>	<b>0.1040</b>	<b>0.2564</b>	<b>0.0920</b>	<b>0.0977</b>	<b>0.1388</b>	<b>0.0000</b>	<b>446.8413</b>	<b>446.8413</b>	<b>0.0714</b>	<b>0.0000</b>	<b>448.6257</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2020	11-30-2020	0.7458	0.7458
2	12-1-2020	2-28-2021	0.8844	0.8844
3	3-1-2021	5-31-2021	0.8675	0.8675
4	6-1-2021	8-31-2021	0.8639	0.8639
5	9-1-2021	9-30-2021	0.2690	0.2690
		Highest	0.8844	0.8844

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2807	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3100e-003	2.3100e-003	1.0000e-005	0.0000	2.4600e-003
Energy	0.0283	0.2573	0.2162	1.5400e-003		0.0196	0.0196		0.0196	0.0196	0.0000	554.1498	554.1498	0.0178	7.7000e-003	556.8882
Mobile	0.1562	0.4669	1.4749	2.4800e-003	145.6136	3.8500e-003	145.6174	14.5149	3.6300e-003	14.5185	0.0000	224.8919	224.8919	0.0149	0.0000	225.2632
Stationary	0.0482	0.1349	0.1230	2.3000e-004		7.1000e-003	7.1000e-003		7.1000e-003	7.1000e-003	0.0000	22.3909	22.3909	3.1400e-003	0.0000	22.4694
Waste						0.0000	0.0000		0.0000	0.0000	14.3373	0.0000	14.3373	0.8473	0.0000	35.5199
Water						0.0000	0.0000		0.0000	0.0000	0.0000	5.5212	5.5212	0.7435	2.5700e-003	24.8737
<b>Total</b>	<b>1.5134</b>	<b>0.8591</b>	<b>1.8153</b>	<b>4.2500e-003</b>	<b>145.6136</b>	<b>0.0305</b>	<b>145.6441</b>	<b>14.5149</b>	<b>0.0303</b>	<b>14.5452</b>	<b>14.3373</b>	<b>806.9561</b>	<b>821.2933</b>	<b>1.6266</b>	<b>0.0103</b>	<b>865.0169</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2807	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3100e-003	2.3100e-003	1.0000e-005	0.0000	2.4600e-003
Energy	0.0283	0.2573	0.2162	1.5400e-003		0.0196	0.0196		0.0196	0.0196	0.0000	554.1498	554.1498	0.0178	7.7000e-003	556.8882
Mobile	0.1562	0.4669	1.4749	2.4800e-003	145.6136	3.8500e-003	145.6174	14.5149	3.6300e-003	14.5185	0.0000	224.8919	224.8919	0.0149	0.0000	225.2632
Stationary	0.0482	0.1349	0.1230	2.3000e-004		7.1000e-003	7.1000e-003		7.1000e-003	7.1000e-003	0.0000	22.3909	22.3909	3.1400e-003	0.0000	22.4694
Waste						0.0000	0.0000		0.0000	0.0000	14.3373	0.0000	14.3373	0.8473	0.0000	35.5199
Water						0.0000	0.0000		0.0000	0.0000	0.0000	5.5212	5.5212	0.7435	2.5700e-003	24.8737
<b>Total</b>	<b>1.5134</b>	<b>0.8591</b>	<b>1.8153</b>	<b>4.2500e-003</b>	<b>145.6136</b>	<b>0.0305</b>	<b>145.6441</b>	<b>14.5149</b>	<b>0.0303</b>	<b>14.5452</b>	<b>14.3373</b>	<b>806.9561</b>	<b>821.2933</b>	<b>1.6266</b>	<b>0.0103</b>	<b>865.0169</b>

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

**3.0 Construction Detail**

**Construction Phase**

Huttopia Six Sigma Glamping Project - Lake County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/29/2020	10/12/2020	5	10	
2	Grading	Grading	10/13/2020	11/9/2020	5	20	
3	Building Construction	Building Construction	11/10/2020	9/27/2021	5	230	
4	Paving	Paving	9/28/2021	10/25/2021	5	20	
5	Architectural Coating	Architectural Coating	10/26/2021	11/22/2021	5	20	

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

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 379,299; Non-Residential Outdoor: 126,433; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Huttopia Six Sigma Glamping Project - Lake County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	106.00	41.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.2 Site Preparation - 2020**

**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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1900e-003	8.6000e-004	7.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0113	1.0113	7.0000e-005	0.0000	1.0129
<b>Total</b>	<b>1.1900e-003</b>	<b>8.6000e-004</b>	<b>7.5400e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.0113</b>	<b>1.0113</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.0129</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.2 Site Preparation - 2020**

**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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1900e-003	8.6000e-004	7.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0113	1.0113	7.0000e-005	0.0000	1.0129
<b>Total</b>	<b>1.1900e-003</b>	<b>8.6000e-004</b>	<b>7.5400e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.0113</b>	<b>1.0113</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.0129</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.3 Grading - 2020**

**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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0655</b>	<b>0.0127</b>	<b>0.0783</b>	<b>0.0337</b>	<b>0.0117</b>	<b>0.0454</b>	<b>0.0000</b>	<b>26.0588</b>	<b>26.0588</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.4300e-003	0.0126	2.0000e-005	1.8400e-003	2.0000e-005	1.8600e-003	4.9000e-004	2.0000e-005	5.0000e-004	0.0000	1.6855	1.6855	1.1000e-004	0.0000	1.6882
<b>Total</b>	<b>1.9900e-003</b>	<b>1.4300e-003</b>	<b>0.0126</b>	<b>2.0000e-005</b>	<b>1.8400e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>4.9000e-004</b>	<b>2.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.6855</b>	<b>1.6855</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.6882</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.3 Grading - 2020**

**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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0655</b>	<b>0.0127</b>	<b>0.0783</b>	<b>0.0337</b>	<b>0.0117</b>	<b>0.0454</b>	<b>0.0000</b>	<b>26.0587</b>	<b>26.0587</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.4300e-003	0.0126	2.0000e-005	1.8400e-003	2.0000e-005	1.8600e-003	4.9000e-004	2.0000e-005	5.0000e-004	0.0000	1.6855	1.6855	1.1000e-004	0.0000	1.6882
<b>Total</b>	<b>1.9900e-003</b>	<b>1.4300e-003</b>	<b>0.0126</b>	<b>2.0000e-005</b>	<b>1.8400e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>4.9000e-004</b>	<b>2.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.6855</b>	<b>1.6855</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.6882</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.4 Building Construction - 2020**

**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	0.0403	0.3645	0.3201	5.1000e-004		0.0212	0.0212		0.0200	0.0200	0.0000	44.0059	44.0059	0.0107	0.0000	44.2743
<b>Total</b>	<b>0.0403</b>	<b>0.3645</b>	<b>0.3201</b>	<b>5.1000e-004</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0200</b>	<b>0.0200</b>	<b>0.0000</b>	<b>44.0059</b>	<b>44.0059</b>	<b>0.0107</b>	<b>0.0000</b>	<b>44.2743</b>

**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	4.8100e-003	0.0972	0.0333	1.8000e-004	4.6000e-003	8.9000e-004	5.4900e-003	1.3300e-003	8.5000e-004	2.1800e-003	0.0000	17.3530	17.3530	8.8000e-004	0.0000	17.3751
Worker	0.0267	0.0192	0.1687	2.5000e-004	0.0247	2.3000e-004	0.0249	6.5700e-003	2.1000e-004	6.7800e-003	0.0000	22.6302	22.6302	1.4800e-003	0.0000	22.6673
<b>Total</b>	<b>0.0315</b>	<b>0.1163</b>	<b>0.2019</b>	<b>4.3000e-004</b>	<b>0.0293</b>	<b>1.1200e-003</b>	<b>0.0304</b>	<b>7.9000e-003</b>	<b>1.0600e-003</b>	<b>8.9600e-003</b>	<b>0.0000</b>	<b>39.9832</b>	<b>39.9832</b>	<b>2.3600e-003</b>	<b>0.0000</b>	<b>40.0424</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.4 Building Construction - 2020**

**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	0.0403	0.3645	0.3201	5.1000e-004		0.0212	0.0212		0.0200	0.0200	0.0000	44.0058	44.0058	0.0107	0.0000	44.2742
<b>Total</b>	<b>0.0403</b>	<b>0.3645</b>	<b>0.3201</b>	<b>5.1000e-004</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0200</b>	<b>0.0200</b>	<b>0.0000</b>	<b>44.0058</b>	<b>44.0058</b>	<b>0.0107</b>	<b>0.0000</b>	<b>44.2742</b>

**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	4.8100e-003	0.0972	0.0333	1.8000e-004	4.6000e-003	8.9000e-004	5.4900e-003	1.3300e-003	8.5000e-004	2.1800e-003	0.0000	17.3530	17.3530	8.8000e-004	0.0000	17.3751
Worker	0.0267	0.0192	0.1687	2.5000e-004	0.0247	2.3000e-004	0.0249	6.5700e-003	2.1000e-004	6.7800e-003	0.0000	22.6302	22.6302	1.4800e-003	0.0000	22.6673
<b>Total</b>	<b>0.0315</b>	<b>0.1163</b>	<b>0.2019</b>	<b>4.3000e-004</b>	<b>0.0293</b>	<b>1.1200e-003</b>	<b>0.0304</b>	<b>7.9000e-003</b>	<b>1.0600e-003</b>	<b>8.9600e-003</b>	<b>0.0000</b>	<b>39.9832</b>	<b>39.9832</b>	<b>2.3600e-003</b>	<b>0.0000</b>	<b>40.0424</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.4 Building Construction - 2021**

**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	0.1825	1.6735	1.5912	2.5800e-003		0.0920	0.0920		0.0865	0.0865	0.0000	222.3718	222.3718	0.0537	0.0000	223.7130
<b>Total</b>	<b>0.1825</b>	<b>1.6735</b>	<b>1.5912</b>	<b>2.5800e-003</b>		<b>0.0920</b>	<b>0.0920</b>		<b>0.0865</b>	<b>0.0865</b>	<b>0.0000</b>	<b>222.3718</b>	<b>222.3718</b>	<b>0.0537</b>	<b>0.0000</b>	<b>223.7130</b>

**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	0.0208	0.4511	0.1490	9.2000e-004	0.0232	3.1300e-003	0.0264	6.7100e-003	3.0000e-003	9.7100e-003	0.0000	87.1373	87.1373	4.2300e-003	0.0000	87.2430
Worker	0.1271	0.0864	0.7619	1.2300e-003	0.1248	1.0800e-003	0.1259	0.0332	9.9000e-004	0.0342	0.0000	110.8348	110.8348	6.6100e-003	0.0000	111.0001
<b>Total</b>	<b>0.1480</b>	<b>0.5375</b>	<b>0.9108</b>	<b>2.1500e-003</b>	<b>0.1480</b>	<b>4.2100e-003</b>	<b>0.1522</b>	<b>0.0399</b>	<b>3.9900e-003</b>	<b>0.0439</b>	<b>0.0000</b>	<b>197.9721</b>	<b>197.9721</b>	<b>0.0108</b>	<b>0.0000</b>	<b>198.2431</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.4 Building Construction - 2021**

**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	0.1825	1.6735	1.5912	2.5800e-003		0.0920	0.0920		0.0865	0.0865	0.0000	222.3715	222.3715	0.0537	0.0000	223.7127
<b>Total</b>	<b>0.1825</b>	<b>1.6735</b>	<b>1.5912</b>	<b>2.5800e-003</b>		<b>0.0920</b>	<b>0.0920</b>		<b>0.0865</b>	<b>0.0865</b>	<b>0.0000</b>	<b>222.3715</b>	<b>222.3715</b>	<b>0.0537</b>	<b>0.0000</b>	<b>223.7127</b>

**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	0.0208	0.4511	0.1490	9.2000e-004	0.0232	3.1300e-003	0.0264	6.7100e-003	3.0000e-003	9.7100e-003	0.0000	87.1373	87.1373	4.2300e-003	0.0000	87.2430
Worker	0.1271	0.0864	0.7619	1.2300e-003	0.1248	1.0800e-003	0.1259	0.0332	9.9000e-004	0.0342	0.0000	110.8348	110.8348	6.6100e-003	0.0000	111.0001
<b>Total</b>	<b>0.1480</b>	<b>0.5375</b>	<b>0.9108</b>	<b>2.1500e-003</b>	<b>0.1480</b>	<b>4.2100e-003</b>	<b>0.1522</b>	<b>0.0399</b>	<b>3.9900e-003</b>	<b>0.0439</b>	<b>0.0000</b>	<b>197.9721</b>	<b>197.9721</b>	<b>0.0108</b>	<b>0.0000</b>	<b>198.2431</b>



Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.5 Paving - 2021**

**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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0126</b>	<b>0.1292</b>	<b>0.1465</b>	<b>2.3000e-004</b>		<b>6.7800e-003</b>	<b>6.7800e-003</b>		<b>6.2400e-003</b>	<b>6.2400e-003</b>	<b>0.0000</b>	<b>20.0235</b>	<b>20.0235</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1854</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8700e-003	1.2700e-003	0.0112	2.0000e-005	1.8400e-003	2.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.6338	1.6338	1.0000e-004	0.0000	1.6362
<b>Total</b>	<b>1.8700e-003</b>	<b>1.2700e-003</b>	<b>0.0112</b>	<b>2.0000e-005</b>	<b>1.8400e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.6338</b>	<b>1.6338</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.6362</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.5 Paving - 2021**

**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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0126</b>	<b>0.1292</b>	<b>0.1465</b>	<b>2.3000e-004</b>		<b>6.7800e-003</b>	<b>6.7800e-003</b>		<b>6.2400e-003</b>	<b>6.2400e-003</b>	<b>0.0000</b>	<b>20.0235</b>	<b>20.0235</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1854</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8700e-003	1.2700e-003	0.0112	2.0000e-005	1.8400e-003	2.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.6338	1.6338	1.0000e-004	0.0000	1.6362
<b>Total</b>	<b>1.8700e-003</b>	<b>1.2700e-003</b>	<b>0.0112</b>	<b>2.0000e-005</b>	<b>1.8400e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.6338</b>	<b>1.6338</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.6362</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.6 Architectural Coating - 2021**

**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	2.9301					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>2.9323</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>

**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	2.6200e-003	1.7800e-003	0.0157	3.0000e-005	2.5800e-003	2.0000e-005	2.6000e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.2873	2.2873	1.4000e-004	0.0000	2.2907
<b>Total</b>	<b>2.6200e-003</b>	<b>1.7800e-003</b>	<b>0.0157</b>	<b>3.0000e-005</b>	<b>2.5800e-003</b>	<b>2.0000e-005</b>	<b>2.6000e-003</b>	<b>6.9000e-004</b>	<b>2.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.2873</b>	<b>2.2873</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.2907</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**3.6 Architectural Coating - 2021**

**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	2.9301					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>2.9323</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>

**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	2.6200e-003	1.7800e-003	0.0157	3.0000e-005	2.5800e-003	2.0000e-005	2.6000e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.2873	2.2873	1.4000e-004	0.0000	2.2907
<b>Total</b>	<b>2.6200e-003</b>	<b>1.7800e-003</b>	<b>0.0157</b>	<b>3.0000e-005</b>	<b>2.5800e-003</b>	<b>2.0000e-005</b>	<b>2.6000e-003</b>	<b>6.9000e-004</b>	<b>2.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.2873</b>	<b>2.2873</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.2907</b>

**4.0 Operational Detail - Mobile**

Huttopia Six Sigma Glamping Project - Lake County, Annual

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	0.1562	0.4669	1.4749	2.4800e-003	145.6136	3.8500e-003	145.6174	14.5149	3.6300e-003	14.5185	0.0000	224.8919	224.8919	0.0149	0.0000	225.2632
Unmitigated	0.1562	0.4669	1.4749	2.4800e-003	145.6136	3.8500e-003	145.6174	14.5149	3.6300e-003	14.5185	0.0000	224.8919	224.8919	0.0149	0.0000	225.2632

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Motel	260.58	260.58	260.58	521,475	521,475
Total	260.58	260.58	260.58	521,475	521,475

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
Motel	14.70	6.60	6.60	19.00	62.00	19.00	58	38	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Motel	0.508687	0.046096	0.212805	0.132521	0.041684	0.006649	0.018358	0.022092	0.001287	0.001095	0.005780	0.001159	0.001788

Huttopia Six Sigma Glamping Project - Lake County, Annual

**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	274.0168	274.0168	0.0124	2.5600e-003	275.0905
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	274.0168	274.0168	0.0124	2.5600e-003	275.0905
NaturalGas Mitigated	0.0283	0.2573	0.2162	1.5400e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.1330	280.1330	5.3700e-003	5.1400e-003	281.7977
NaturalGas Unmitigated	0.0283	0.2573	0.2162	1.5400e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.1330	280.1330	5.3700e-003	5.1400e-003	281.7977

Huttopia Six Sigma Glamping Project - Lake County, Annual

**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					
Motel	5.24949e+006	0.0283	0.2573	0.2162	1.5400e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.1330	280.1330	5.3700e-003	5.1400e-003	281.7977
<b>Total</b>		<b>0.0283</b>	<b>0.2573</b>	<b>0.2162</b>	<b>1.5400e-003</b>		<b>0.0196</b>	<b>0.0196</b>		<b>0.0196</b>	<b>0.0196</b>	<b>0.0000</b>	<b>280.1330</b>	<b>280.1330</b>	<b>5.3700e-003</b>	<b>5.1400e-003</b>	<b>281.7977</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Motel	5.24949e+006	0.0283	0.2573	0.2162	1.5400e-003		0.0196	0.0196		0.0196	0.0196	0.0000	280.1330	280.1330	5.3700e-003	5.1400e-003	281.7977
<b>Total</b>		<b>0.0283</b>	<b>0.2573</b>	<b>0.2162</b>	<b>1.5400e-003</b>		<b>0.0196</b>	<b>0.0196</b>		<b>0.0196</b>	<b>0.0196</b>	<b>0.0000</b>	<b>280.1330</b>	<b>280.1330</b>	<b>5.3700e-003</b>	<b>5.1400e-003</b>	<b>281.7977</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Motel	941925	274.0168	0.0124	2.5600e-003	275.0905
<b>Total</b>		<b>274.0168</b>	<b>0.0124</b>	<b>2.5600e-003</b>	<b>275.0905</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Motel	941925	274.0168	0.0124	2.5600e-003	275.0905
<b>Total</b>		<b>274.0168</b>	<b>0.0124</b>	<b>2.5600e-003</b>	<b>275.0905</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Huttopia Six Sigma Glamping Project - Lake 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	1.2807	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3100e-003	2.3100e-003	1.0000e-005	0.0000	2.4600e-003
Unmitigated	1.2807	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3100e-003	2.3100e-003	1.0000e-005	0.0000	2.4600e-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	0.2930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9876					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3100e-003	2.3100e-003	1.0000e-005	0.0000	2.4600e-003
<b>Total</b>	<b>1.2807</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3100e-003</b>	<b>2.3100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.4600e-003</b>

Huttopia Six Sigma Glamping Project - Lake 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	0.2930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9876					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3100e-003	2.3100e-003	1.0000e-005	0.0000	2.4600e-003
<b>Total</b>	<b>1.2807</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3100e-003</b>	<b>2.3100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.4600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Huttopia Six Sigma Glamping Project - Lake County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.5212	0.7435	2.5700e-003	24.8737
Unmitigated	5.5212	0.7435	2.5700e-003	24.8737

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Motel	3.27231 / 0.36359	5.5212	0.7435	2.5700e-003	24.8737
<b>Total</b>		<b>5.5212</b>	<b>0.7435</b>	<b>2.5700e-003</b>	<b>24.8737</b>

Huttopia Six Sigma Glamping Project - Lake County, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Motel	3.27231 / 0.36359	5.5212	0.7435	2.5700e-003	24.8737
<b>Total</b>		<b>5.5212</b>	<b>0.7435</b>	<b>2.5700e-003</b>	<b>24.8737</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.3373	0.8473	0.0000	35.5199
Unmitigated	14.3373	0.8473	0.0000	35.5199

Huttopia Six Sigma Glamping Project - Lake County, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Motel	70.63	14.3373	0.8473	0.0000	35.5199
<b>Total</b>		<b>14.3373</b>	<b>0.8473</b>	<b>0.0000</b>	<b>35.5199</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Motel	70.63	14.3373	0.8473	0.0000	35.5199
<b>Total</b>		<b>14.3373</b>	<b>0.8473</b>	<b>0.0000</b>	<b>35.5199</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Huttopia Six Sigma Glamping Project - Lake County, Annual

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	24	168	350	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0482	0.1349	0.1230	2.3000e-004		7.1000e-003	7.1000e-003		7.1000e-003	7.1000e-003	0.0000	22.3909	22.3909	3.1400e-003	0.0000	22.4694
<b>Total</b>	<b>0.0482</b>	<b>0.1349</b>	<b>0.1230</b>	<b>2.3000e-004</b>		<b>7.1000e-003</b>	<b>7.1000e-003</b>		<b>7.1000e-003</b>	<b>7.1000e-003</b>	<b>0.0000</b>	<b>22.3909</b>	<b>22.3909</b>	<b>3.1400e-003</b>	<b>0.0000</b>	<b>22.4694</b>

**11.0 Vegetation**