

TSEC - El Dorado-Lake Tahoe County, Annual

**TSEC**  
**El Dorado-Lake Tahoe County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	2.50	Acre	2.50	108,900.00	0
Parking Lot	220.00	1000sqft	5.05	220,000.00	0
Other Non-Asphalt Surfaces	5.10	Acre	5.10	222,156.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	70
<b>Climate Zone</b>	14			<b>Operational Year</b>	2022
<b>Utility Company</b>	Sierra Pacific Resources				
<b>CO2 Intensity (lb/MWhr)</b>	1328.16	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - Arena is 138,000 square feet, with 88,420 SF footprint. or 2 acres, with 4 acres of landscaping

Construction Phase - Schedule based on contractor construction schedule timing. Please note there are seasonal periods of no construction.

Grading - Reuse 11,400 graded fill and 8,400 asphalt paving out of 73,200 cubic yards cut

Demolition - 295,000 sf asphalt parking, 30,000 sf sport field with walls/fencing, 200 LF curb and gutter, 65 LF of retaining wall. Metric used = 450,000 sf (12.4 acre site - undeveloped area and landscape area)

Architectural Coating -

Landscape Equipment - 67 snow days >.1" per year taken from Current Results - Weather and Science Facts South Lake Tahoe Snowfall Totals and Snowstorm Averages based on NOAAs 1981-2010 Normals

TSEC - El Dorado-Lake Tahoe County, Annual

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Vehicle Trips - No trips generated due to paid parking and microtransit. Project results in overall regional decrease in trips/VMT but the net reduction is not included. Trips are shown as 0 rather than a negative.

Trips and VMT - There is a potential for worker trips to be 0 or significantly reduced if workers are staying at the adjacent hotel; however, this was not adjusted down in the model. Construction worker trips and the associated emissions will likely be less than modeled.

Off-road Equipment - This phase covers landscaping, outdoor lighting installation, not structural construction

Off-road Equipment - Paving is more concrete paving - only 5 days of asphalt paving

Off-road Equipment -

Road Dust -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

TSEC - El Dorado-Lake Tahoe County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	300.00	441.00
tblConstructionPhase	NumDays	20.00	18.00
tblConstructionPhase	NumDays	30.00	49.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	10.00	99.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	11/12/2021	9/24/2021
tblConstructionPhase	PhaseEndDate	9/17/2021	1/10/2022
tblConstructionPhase	PhaseEndDate	5/29/2020	5/8/2020
tblConstructionPhase	PhaseEndDate	7/24/2020	7/6/2020
tblConstructionPhase	PhaseEndDate	10/15/2021	8/26/2021
tblConstructionPhase	PhaseEndDate	6/12/2020	10/9/2020
tblConstructionPhase	PhaseStartDate	10/16/2021	8/2/2021
tblConstructionPhase	PhaseStartDate	7/25/2020	5/3/2020
tblConstructionPhase	PhaseStartDate	5/4/2020	4/15/2020

TSEC - El Dorado-Lake Tahoe County, Annual

tblConstructionPhase	PhaseStartDate	6/13/2020	5/11/2020
tblConstructionPhase	PhaseStartDate	9/18/2021	7/23/2021
tblConstructionPhase	PhaseStartDate	5/30/2020	5/26/2020
tblGrading	MaterialExported	0.00	53,400.00
tblSequestration	NumberOfNewTrees	0.00	32.00
tblSequestration	NumberOfNewTrees	0.00	54.00
tblSequestration	NumberOfNewTrees	0.00	60.00
tblSequestration	NumberOfNewTrees	0.00	87.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	900.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	1.80
tblStationaryBoilersUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	100.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	100.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

**2.0 Emissions Summary**

---

TSEC - El Dorado-Lake Tahoe 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	0.7043	7.8465	4.9795	0.0135	1.6291	0.2871	1.9162	0.6942	0.2667	0.9608	0.0000	1,221.0489	1,221.0489	0.1678	0.0000	1,225.2432
2021	1.8778	3.9106	3.7678	9.3500e-003	0.3223	0.1414	0.4638	0.0875	0.1329	0.2205	0.0000	842.1943	842.1943	0.0930	0.0000	844.5193
2022	9.0700e-003	0.0781	0.0778	2.0000e-004	7.2100e-003	2.5500e-003	9.7600e-003	1.9600e-003	2.4000e-003	4.3600e-003	0.0000	18.2802	18.2802	1.9000e-003	0.0000	18.3277
<b>Maximum</b>	<b>1.8778</b>	<b>7.8465</b>	<b>4.9795</b>	<b>0.0135</b>	<b>1.6291</b>	<b>0.2871</b>	<b>1.9162</b>	<b>0.6942</b>	<b>0.2667</b>	<b>0.9608</b>	<b>0.0000</b>	<b>1,221.0489</b>	<b>1,221.0489</b>	<b>0.1678</b>	<b>0.0000</b>	<b>1,225.2432</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	0.7043	7.8465	4.9795	0.0135	0.8945	0.2871	1.1816	0.3563	0.2667	0.6230	0.0000	1,221.0483	1,221.0483	0.1678	0.0000	1,225.2426
2021	1.8778	3.9106	3.7678	9.3500e-003	0.3223	0.1414	0.4638	0.0875	0.1329	0.2205	0.0000	842.1939	842.1939	0.0930	0.0000	844.5190
2022	9.0700e-003	0.0781	0.0778	2.0000e-004	7.2100e-003	2.5500e-003	9.7600e-003	1.9600e-003	2.4000e-003	4.3600e-003	0.0000	18.2802	18.2802	1.9000e-003	0.0000	18.3277
<b>Maximum</b>	<b>1.8778</b>	<b>7.8465</b>	<b>4.9795</b>	<b>0.0135</b>	<b>0.8945</b>	<b>0.2871</b>	<b>1.1816</b>	<b>0.3563</b>	<b>0.2667</b>	<b>0.6230</b>	<b>0.0000</b>	<b>1,221.0483</b>	<b>1,221.0483</b>	<b>0.1678</b>	<b>0.0000</b>	<b>1,225.2426</b>

## TSEC - El Dorado-Lake Tahoe 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
Percent Reduction	0.00	0.00	0.00	0.00	37.51	0.00	30.74	43.12	0.00	28.50	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	5-4-2020	8-3-2020	4.9108	4.9108
2	8-4-2020	11-3-2020	2.2625	2.2625
3	11-4-2020	2-3-2021	1.1164	1.1164
4	2-4-2021	5-3-2021	1.0108	1.0108
5	5-4-2021	8-3-2021	1.1527	1.1527
6	8-4-2021	11-3-2021	2.5167	2.5167
7	11-4-2021	2-3-2022	0.7660	0.7660
		Highest	4.9108	4.9108

TSEC - El Dorado-Lake Tahoe County, Annual

**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	0.5956	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
Energy	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	347.5798	347.5798	7.5300e-003	1.8500e-003	348.3201
Mobile	0.0173	0.0549	0.1807	4.8000e-004	0.0427	5.0000e-004	0.0432	0.0115	4.7000e-004	0.0119	0.0000	43.9555	43.9555	1.5100e-003	0.0000	43.9932
Stationary	6.8200e-003	0.0271	0.0936	5.4000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	96.9704	96.9704	1.9700e-003	0.0000	97.0196
Waste						0.0000	0.0000		0.0000	0.0000	0.0426	0.0000	0.0426	2.5200e-003	0.0000	0.1056
Water						0.0000	0.0000		0.0000	0.0000	1.0677	11.4235	12.4912	0.1099	2.6400e-003	16.0260
<b>Total</b>	<b>0.6219</b>	<b>0.1008</b>	<b>0.2921</b>	<b>1.1300e-003</b>	<b>0.0427</b>	<b>8.9900e-003</b>	<b>0.0517</b>	<b>0.0115</b>	<b>8.9600e-003</b>	<b>0.0204</b>	<b>1.1103</b>	<b>499.9333</b>	<b>501.0437</b>	<b>0.1235</b>	<b>4.4900e-003</b>	<b>505.4689</b>

TSEC - El Dorado-Lake Tahoe 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	0.5638	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
Energy	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	226.0807	226.0807	4.8800e-003	1.3000e-003	226.5911
Mobile	0.0156	0.0423	0.1381	3.2000e-004	0.0278	3.5000e-004	0.0281	7.4400e-003	3.3000e-004	7.7700e-003	0.0000	29.3458	29.3458	1.1100e-003	0.0000	29.3735
Stationary	6.8200e-003	0.0271	0.0936	5.4000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	96.9704	96.9704	1.9700e-003	0.0000	97.0196
Waste						0.0000	0.0000		0.0000	0.0000	0.0320	0.0000	0.0320	1.8900e-003	0.0000	0.0792
Water						0.0000	0.0000		0.0000	0.0000	0.8542	9.2018	10.0559	0.0879	2.1100e-003	12.8839
<b>Total</b>	<b>0.5883</b>	<b>0.0881</b>	<b>0.2495</b>	<b>9.7000e-004</b>	<b>0.0278</b>	<b>8.8400e-003</b>	<b>0.0366</b>	<b>7.4400e-003</b>	<b>8.8200e-003</b>	<b>0.0163</b>	<b>0.8861</b>	<b>361.6028</b>	<b>362.4889</b>	<b>0.0978</b>	<b>3.4100e-003</b>	<b>365.9516</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>5.39</b>	<b>12.56</b>	<b>14.59</b>	<b>14.16</b>	<b>35.00</b>	<b>1.67</b>	<b>29.21</b>	<b>35.02</b>	<b>1.56</b>	<b>20.33</b>	<b>20.19</b>	<b>27.67</b>	<b>27.65</b>	<b>20.79</b>	<b>24.05</b>	<b>27.60</b>



TSEC - El Dorado-Lake Tahoe County, Annual

**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
New Trees	169.0660
Vegetation Land Change	0.0000
<b>Total</b>	<b>169.0660</b>

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/15/2020	5/8/2020	5	18	
2	Building Construction	Building Construction	5/3/2020	1/10/2022	5	441	
3	Grading	Grading	5/11/2020	7/6/2020	6	49	
4	Site Preparation	Site Preparation	5/26/2020	10/9/2020	5	99	
5	Paving	Paving	7/23/2021	8/26/2021	5	25	
6	Architectural Coating	Architectural Coating	8/2/2021	9/24/2021	5	40	

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

**Acres of Grading (Grading Phase): 122.5**

**Acres of Paving: 10.15**

## TSEC - El Dorado-Lake Tahoe County, Annual

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 163,350; Non-Residential Outdoor: 54,450; Striped Parking Area: 26,529 (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
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

TSEC - El Dorado-Lake Tahoe County, Annual

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	6	15.00	0.00	2,047.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	6,675.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	231.00	90.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	46.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 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					0.2250	0.0000	0.2250	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0298	0.2988	0.1958	3.5000e-004		0.0149	0.0149		0.0139	0.0139	0.0000	30.5988	30.5988	8.6400e-003	0.0000	30.8147
<b>Total</b>	<b>0.0298</b>	<b>0.2988</b>	<b>0.1958</b>	<b>3.5000e-004</b>	<b>0.2250</b>	<b>0.0149</b>	<b>0.2399</b>	<b>0.0341</b>	<b>0.0139</b>	<b>0.0479</b>	<b>0.0000</b>	<b>30.5988</b>	<b>30.5988</b>	<b>8.6400e-003</b>	<b>0.0000</b>	<b>30.8147</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.2 Demolition - 2020**

**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	8.9400e-003	0.3493	0.0994	8.4000e-004	0.0170	1.3900e-003	0.0184	4.6600e-003	1.3300e-003	5.9900e-003	0.0000	79.3959	79.3959	1.0200e-003	0.0000	79.4213
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	6.7000e-004	4.2000e-004	4.4500e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9516	0.9516	3.0000e-005	0.0000	0.9524
<b>Total</b>	<b>9.6100e-003</b>	<b>0.3497</b>	<b>0.1039</b>	<b>8.5000e-004</b>	<b>0.0181</b>	<b>1.4000e-003</b>	<b>0.0195</b>	<b>4.9400e-003</b>	<b>1.3400e-003</b>	<b>6.2800e-003</b>	<b>0.0000</b>	<b>80.3475</b>	<b>80.3475</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>80.3736</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1012	0.0000	0.1012	0.0153	0.0000	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0298	0.2988	0.1958	3.5000e-004		0.0149	0.0149		0.0139	0.0139	0.0000	30.5987	30.5987	8.6400e-003	0.0000	30.8147
<b>Total</b>	<b>0.0298</b>	<b>0.2988</b>	<b>0.1958</b>	<b>3.5000e-004</b>	<b>0.1012</b>	<b>0.0149</b>	<b>0.1162</b>	<b>0.0153</b>	<b>0.0139</b>	<b>0.0292</b>	<b>0.0000</b>	<b>30.5987</b>	<b>30.5987</b>	<b>8.6400e-003</b>	<b>0.0000</b>	<b>30.8147</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.9400e-003	0.3493	0.0994	8.4000e-004	0.0170	1.3900e-003	0.0184	4.6600e-003	1.3300e-003	5.9900e-003	0.0000	79.3959	79.3959	1.0200e-003	0.0000	79.4213
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	6.7000e-004	4.2000e-004	4.4500e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9516	0.9516	3.0000e-005	0.0000	0.9524
<b>Total</b>	<b>9.6100e-003</b>	<b>0.3497</b>	<b>0.1039</b>	<b>8.5000e-004</b>	<b>0.0181</b>	<b>1.4000e-003</b>	<b>0.0195</b>	<b>4.9400e-003</b>	<b>1.3400e-003</b>	<b>6.2800e-003</b>	<b>0.0000</b>	<b>80.3475</b>	<b>80.3475</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>80.3736</b>

**3.3 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	0.1844	1.6692	1.4658	2.3400e-003		0.0972	0.0972		0.0914	0.0914	0.0000	201.5007	201.5007	0.0492	0.0000	202.7297
<b>Total</b>	<b>0.1844</b>	<b>1.6692</b>	<b>1.4658</b>	<b>2.3400e-003</b>		<b>0.0972</b>	<b>0.0972</b>		<b>0.0914</b>	<b>0.0914</b>	<b>0.0000</b>	<b>201.5007</b>	<b>201.5007</b>	<b>0.0492</b>	<b>0.0000</b>	<b>202.7297</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.3 Building Construction - 2020**

**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	0.0336	0.9940	0.3333	2.1100e-003	0.0509	5.6900e-003	0.0566	0.0147	5.4400e-003	0.0201	0.0000	199.3383	199.3383	4.0900e-003	0.0000	199.4406
Worker	0.1001	0.0620	0.6632	1.5700e-003	0.1582	1.2500e-003	0.1595	0.0421	1.1500e-003	0.0433	0.0000	141.6612	141.6612	4.5200e-003	0.0000	141.7742
<b>Total</b>	<b>0.1336</b>	<b>1.0559</b>	<b>0.9965</b>	<b>3.6800e-003</b>	<b>0.2091</b>	<b>6.9400e-003</b>	<b>0.2160</b>	<b>0.0568</b>	<b>6.5900e-003</b>	<b>0.0634</b>	<b>0.0000</b>	<b>340.9995</b>	<b>340.9995</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>341.2148</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1844	1.6692	1.4658	2.3400e-003		0.0972	0.0972		0.0914	0.0914	0.0000	201.5005	201.5005	0.0492	0.0000	202.7294
<b>Total</b>	<b>0.1844</b>	<b>1.6692</b>	<b>1.4658</b>	<b>2.3400e-003</b>		<b>0.0972</b>	<b>0.0972</b>		<b>0.0914</b>	<b>0.0914</b>	<b>0.0000</b>	<b>201.5005</b>	<b>201.5005</b>	<b>0.0492</b>	<b>0.0000</b>	<b>202.7294</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.3 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0336	0.9940	0.3333	2.1100e-003	0.0509	5.6900e-003	0.0566	0.0147	5.4400e-003	0.0201	0.0000	199.3383	199.3383	4.0900e-003	0.0000	199.4406
Worker	0.1001	0.0620	0.6632	1.5700e-003	0.1582	1.2500e-003	0.1595	0.0421	1.1500e-003	0.0433	0.0000	141.6612	141.6612	4.5200e-003	0.0000	141.7742
<b>Total</b>	<b>0.1336</b>	<b>1.0559</b>	<b>0.9965</b>	<b>3.6800e-003</b>	<b>0.2091</b>	<b>6.9400e-003</b>	<b>0.2160</b>	<b>0.0568</b>	<b>6.5900e-003</b>	<b>0.0634</b>	<b>0.0000</b>	<b>340.9995</b>	<b>340.9995</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>341.2148</b>

**3.3 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	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
<b>Total</b>	<b>0.2481</b>	<b>2.2749</b>	<b>2.1631</b>	<b>3.5100e-003</b>		<b>0.1251</b>	<b>0.1251</b>		<b>0.1176</b>	<b>0.1176</b>	<b>0.0000</b>	<b>302.2867</b>	<b>302.2867</b>	<b>0.0729</b>	<b>0.0000</b>	<b>304.1099</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.3 Building Construction - 2021**

**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	0.0410	1.3571	0.4464	3.1400e-003	0.0763	4.0900e-003	0.0804	0.0221	3.9100e-003	0.0260	0.0000	296.9489	296.9489	5.3400e-003	0.0000	297.0825
Worker	0.1413	0.0835	0.9056	2.2700e-003	0.2373	1.8100e-003	0.2391	0.0632	1.6700e-003	0.0648	0.0000	205.2812	205.2812	6.0600e-003	0.0000	205.4327
<b>Total</b>	<b>0.1823</b>	<b>1.4406</b>	<b>1.3519</b>	<b>5.4100e-003</b>	<b>0.3136</b>	<b>5.9000e-003</b>	<b>0.3195</b>	<b>0.0852</b>	<b>5.5800e-003</b>	<b>0.0908</b>	<b>0.0000</b>	<b>502.2301</b>	<b>502.2301</b>	<b>0.0114</b>	<b>0.0000</b>	<b>502.5152</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
<b>Total</b>	<b>0.2481</b>	<b>2.2749</b>	<b>2.1631</b>	<b>3.5100e-003</b>		<b>0.1251</b>	<b>0.1251</b>		<b>0.1176</b>	<b>0.1176</b>	<b>0.0000</b>	<b>302.2863</b>	<b>302.2863</b>	<b>0.0729</b>	<b>0.0000</b>	<b>304.1095</b>



TSEC - El Dorado-Lake Tahoe County, Annual

**3.3 Building Construction - 2021**

**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	0.0410	1.3571	0.4464	3.1400e-003	0.0763	4.0900e-003	0.0804	0.0221	3.9100e-003	0.0260	0.0000	296.9489	296.9489	5.3400e-003	0.0000	297.0825
Worker	0.1413	0.0835	0.9056	2.2700e-003	0.2373	1.8100e-003	0.2391	0.0632	1.6700e-003	0.0648	0.0000	205.2812	205.2812	6.0600e-003	0.0000	205.4327
<b>Total</b>	<b>0.1823</b>	<b>1.4406</b>	<b>1.3519</b>	<b>5.4100e-003</b>	<b>0.3136</b>	<b>5.9000e-003</b>	<b>0.3195</b>	<b>0.0852</b>	<b>5.5800e-003</b>	<b>0.0908</b>	<b>0.0000</b>	<b>502.2301</b>	<b>502.2301</b>	<b>0.0114</b>	<b>0.0000</b>	<b>502.5152</b>

**3.3 Building Construction - 2022**

**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	5.1200e-003	0.0469	0.0491	8.0000e-005		2.4300e-003	2.4300e-003		2.2800e-003	2.2800e-003	0.0000	6.9518	6.9518	1.6700e-003	0.0000	6.9934
<b>Total</b>	<b>5.1200e-003</b>	<b>0.0469</b>	<b>0.0491</b>	<b>8.0000e-005</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>		<b>2.2800e-003</b>	<b>2.2800e-003</b>	<b>0.0000</b>	<b>6.9518</b>	<b>6.9518</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>6.9934</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.3 Building Construction - 2022**

**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	8.8000e-004	0.0296	9.6500e-003	7.0000e-005	1.7500e-003	8.0000e-005	1.8400e-003	5.1000e-004	8.0000e-005	5.9000e-004	0.0000	6.7768	6.7768	1.1000e-004	0.0000	6.7796
Worker	3.0700e-003	1.7300e-003	0.0190	5.0000e-005	5.4600e-003	4.0000e-005	5.5000e-003	1.4500e-003	4.0000e-005	1.4900e-003	0.0000	4.5516	4.5516	1.2000e-004	0.0000	4.5547
<b>Total</b>	<b>3.9500e-003</b>	<b>0.0313</b>	<b>0.0287</b>	<b>1.2000e-004</b>	<b>7.2100e-003</b>	<b>1.2000e-004</b>	<b>7.3400e-003</b>	<b>1.9600e-003</b>	<b>1.2000e-004</b>	<b>2.0800e-003</b>	<b>0.0000</b>	<b>11.3284</b>	<b>11.3284</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>11.3344</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.1200e-003	0.0469	0.0491	8.0000e-005		2.4300e-003	2.4300e-003		2.2800e-003	2.2800e-003	0.0000	6.9518	6.9518	1.6700e-003	0.0000	6.9934
<b>Total</b>	<b>5.1200e-003</b>	<b>0.0469</b>	<b>0.0491</b>	<b>8.0000e-005</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>		<b>2.2800e-003</b>	<b>2.2800e-003</b>	<b>0.0000</b>	<b>6.9518</b>	<b>6.9518</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>6.9934</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.3 Building Construction - 2022**

**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	8.8000e-004	0.0296	9.6500e-003	7.0000e-005	1.7500e-003	8.0000e-005	1.8400e-003	5.1000e-004	8.0000e-005	5.9000e-004	0.0000	6.7768	6.7768	1.1000e-004	0.0000	6.7796
Worker	3.0700e-003	1.7300e-003	0.0190	5.0000e-005	5.4600e-003	4.0000e-005	5.5000e-003	1.4500e-003	4.0000e-005	1.4900e-003	0.0000	4.5516	4.5516	1.2000e-004	0.0000	4.5547
<b>Total</b>	<b>3.9500e-003</b>	<b>0.0313</b>	<b>0.0287</b>	<b>1.2000e-004</b>	<b>7.2100e-003</b>	<b>1.2000e-004</b>	<b>7.3400e-003</b>	<b>1.9600e-003</b>	<b>1.2000e-004</b>	<b>2.0800e-003</b>	<b>0.0000</b>	<b>11.3284</b>	<b>11.3284</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>11.3344</b>

**3.4 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					0.2164	0.0000	0.2164	0.0887	0.0000	0.0887	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1090	1.2298	0.7830	1.5200e-003		0.0533	0.0533		0.0490	0.0490	0.0000	133.4865	133.4865	0.0432	0.0000	134.5658
<b>Total</b>	<b>0.1090</b>	<b>1.2298</b>	<b>0.7830</b>	<b>1.5200e-003</b>	<b>0.2164</b>	<b>0.0533</b>	<b>0.2697</b>	<b>0.0887</b>	<b>0.0490</b>	<b>0.1377</b>	<b>0.0000</b>	<b>133.4865</b>	<b>133.4865</b>	<b>0.0432</b>	<b>0.0000</b>	<b>134.5658</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.4 Grading - 2020**

**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	0.0292	1.1391	0.3241	2.7300e-003	0.0554	4.5300e-003	0.0600	0.0152	4.3300e-003	0.0195	0.0000	258.8996	258.8996	3.3100e-003	0.0000	258.9825
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	2.4400e-003	1.5100e-003	0.0162	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.4540	3.4540	1.1000e-004	0.0000	3.4567
<b>Total</b>	<b>0.0316</b>	<b>1.1406</b>	<b>0.3403</b>	<b>2.7700e-003</b>	<b>0.0593</b>	<b>4.5600e-003</b>	<b>0.0639</b>	<b>0.0162</b>	<b>4.3600e-003</b>	<b>0.0206</b>	<b>0.0000</b>	<b>262.3536</b>	<b>262.3536</b>	<b>3.4200e-003</b>	<b>0.0000</b>	<b>262.4392</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0974	0.0000	0.0974	0.0399	0.0000	0.0399	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1090	1.2298	0.7830	1.5200e-003		0.0533	0.0533		0.0490	0.0490	0.0000	133.4864	133.4864	0.0432	0.0000	134.5657
<b>Total</b>	<b>0.1090</b>	<b>1.2298</b>	<b>0.7830</b>	<b>1.5200e-003</b>	<b>0.0974</b>	<b>0.0533</b>	<b>0.1507</b>	<b>0.0399</b>	<b>0.0490</b>	<b>0.0889</b>	<b>0.0000</b>	<b>133.4864</b>	<b>133.4864</b>	<b>0.0432</b>	<b>0.0000</b>	<b>134.5657</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.4 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0292	1.1391	0.3241	2.7300e-003	0.0554	4.5300e-003	0.0600	0.0152	4.3300e-003	0.0195	0.0000	258.8996	258.8996	3.3100e-003	0.0000	258.9825
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	2.4400e-003	1.5100e-003	0.0162	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.4540	3.4540	1.1000e-004	0.0000	3.4567
<b>Total</b>	<b>0.0316</b>	<b>1.1406</b>	<b>0.3403</b>	<b>2.7700e-003</b>	<b>0.0593</b>	<b>4.5600e-003</b>	<b>0.0639</b>	<b>0.0162</b>	<b>4.3600e-003</b>	<b>0.0206</b>	<b>0.0000</b>	<b>262.3536</b>	<b>262.3536</b>	<b>3.4200e-003</b>	<b>0.0000</b>	<b>262.4392</b>

**3.5 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					0.8943	0.0000	0.8943	0.4916	0.0000	0.4916	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2018	2.0997	1.0649	1.8800e-003		0.1088	0.1088		0.1001	0.1001	0.0000	165.4819	165.4819	0.0535	0.0000	166.8199
<b>Total</b>	<b>0.2018</b>	<b>2.0997</b>	<b>1.0649</b>	<b>1.8800e-003</b>	<b>0.8943</b>	<b>0.1088</b>	<b>1.0031</b>	<b>0.4916</b>	<b>0.1001</b>	<b>0.5916</b>	<b>0.0000</b>	<b>165.4819</b>	<b>165.4819</b>	<b>0.0535</b>	<b>0.0000</b>	<b>166.8199</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.5 Site Preparation - 2020**

**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	4.4400e-003	2.7500e-003	0.0294	7.0000e-005	7.0100e-003	6.0000e-005	7.0700e-003	1.8700e-003	5.0000e-005	1.9200e-003	0.0000	6.2806	6.2806	2.0000e-004	0.0000	6.2856
<b>Total</b>	<b>4.4400e-003</b>	<b>2.7500e-003</b>	<b>0.0294</b>	<b>7.0000e-005</b>	<b>7.0100e-003</b>	<b>6.0000e-005</b>	<b>7.0700e-003</b>	<b>1.8700e-003</b>	<b>5.0000e-005</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>6.2806</b>	<b>6.2806</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>6.2856</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4024	0.0000	0.4024	0.2212	0.0000	0.2212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2018	2.0997	1.0649	1.8800e-003		0.1088	0.1088		0.1001	0.1001	0.0000	165.4817	165.4817	0.0535	0.0000	166.8197
<b>Total</b>	<b>0.2018</b>	<b>2.0997</b>	<b>1.0649</b>	<b>1.8800e-003</b>	<b>0.4024</b>	<b>0.1088</b>	<b>0.5112</b>	<b>0.2212</b>	<b>0.1001</b>	<b>0.3213</b>	<b>0.0000</b>	<b>165.4817</b>	<b>165.4817</b>	<b>0.0535</b>	<b>0.0000</b>	<b>166.8197</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.5 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	4.4400e-003	2.7500e-003	0.0294	7.0000e-005	7.0100e-003	6.0000e-005	7.0700e-003	1.8700e-003	5.0000e-005	1.9200e-003	0.0000	6.2806	6.2806	2.0000e-004	0.0000	6.2856
<b>Total</b>	<b>4.4400e-003</b>	<b>2.7500e-003</b>	<b>0.0294</b>	<b>7.0000e-005</b>	<b>7.0100e-003</b>	<b>6.0000e-005</b>	<b>7.0700e-003</b>	<b>1.8700e-003</b>	<b>5.0000e-005</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>6.2806</b>	<b>6.2806</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>6.2856</b>

**3.6 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	0.0157	0.1615	0.1832	2.8000e-004		8.4700e-003	8.4700e-003		7.7900e-003	7.7900e-003	0.0000	25.0294	25.0294	8.0900e-003	0.0000	25.2317
Paving	6.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0223</b>	<b>0.1615</b>	<b>0.1832</b>	<b>2.8000e-004</b>		<b>8.4700e-003</b>	<b>8.4700e-003</b>		<b>7.7900e-003</b>	<b>7.7900e-003</b>	<b>0.0000</b>	<b>25.0294</b>	<b>25.0294</b>	<b>8.0900e-003</b>	<b>0.0000</b>	<b>25.2317</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.6 Paving - 2021**

**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	8.8000e-004	5.2000e-004	5.6300e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2768	1.2768	4.0000e-005	0.0000	1.2778
<b>Total</b>	<b>8.8000e-004</b>	<b>5.2000e-004</b>	<b>5.6300e-003</b>	<b>1.0000e-005</b>	<b>1.4800e-003</b>	<b>1.0000e-005</b>	<b>1.4900e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>1.2768</b>	<b>1.2768</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.2778</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0157	0.1615	0.1832	2.8000e-004		8.4700e-003	8.4700e-003		7.7900e-003	7.7900e-003	0.0000	25.0293	25.0293	8.0900e-003	0.0000	25.2317
Paving	6.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0223</b>	<b>0.1615</b>	<b>0.1832</b>	<b>2.8000e-004</b>		<b>8.4700e-003</b>	<b>8.4700e-003</b>		<b>7.7900e-003</b>	<b>7.7900e-003</b>	<b>0.0000</b>	<b>25.0293</b>	<b>25.0293</b>	<b>8.0900e-003</b>	<b>0.0000</b>	<b>25.2317</b>



TSEC - El Dorado-Lake Tahoe County, Annual

**3.6 Paving - 2021**

**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	8.8000e-004	5.2000e-004	5.6300e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2768	1.2768	4.0000e-005	0.0000	1.2778
<b>Total</b>	<b>8.8000e-004</b>	<b>5.2000e-004</b>	<b>5.6300e-003</b>	<b>1.0000e-005</b>	<b>1.4800e-003</b>	<b>1.0000e-005</b>	<b>1.4900e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>1.2768</b>	<b>1.2768</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.2778</b>

**3.7 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	1.4156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3800e-003	0.0305	0.0364	6.0000e-005		1.8800e-003	1.8800e-003		1.8800e-003	1.8800e-003	0.0000	5.1065	5.1065	3.5000e-004	0.0000	5.1153
<b>Total</b>	<b>1.4200</b>	<b>0.0305</b>	<b>0.0364</b>	<b>6.0000e-005</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>5.1065</b>	<b>5.1065</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>5.1153</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.7 Architectural Coating - 2021**

**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	4.3100e-003	2.5500e-003	0.0276	7.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.2649	6.2649	1.8000e-004	0.0000	6.2695
<b>Total</b>	<b>4.3100e-003</b>	<b>2.5500e-003</b>	<b>0.0276</b>	<b>7.0000e-005</b>	<b>7.2400e-003</b>	<b>6.0000e-005</b>	<b>7.3000e-003</b>	<b>1.9300e-003</b>	<b>5.0000e-005</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>6.2649</b>	<b>6.2649</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>6.2695</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.4156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3800e-003	0.0305	0.0364	6.0000e-005		1.8800e-003	1.8800e-003		1.8800e-003	1.8800e-003	0.0000	5.1065	5.1065	3.5000e-004	0.0000	5.1153
<b>Total</b>	<b>1.4200</b>	<b>0.0305</b>	<b>0.0364</b>	<b>6.0000e-005</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>5.1065</b>	<b>5.1065</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>5.1153</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**3.7 Architectural Coating - 2021**

**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	4.3100e-003	2.5500e-003	0.0276	7.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.2649	6.2649	1.8000e-004	0.0000	6.2695
<b>Total</b>	<b>4.3100e-003</b>	<b>2.5500e-003</b>	<b>0.0276</b>	<b>7.0000e-005</b>	<b>7.2400e-003</b>	<b>6.0000e-005</b>	<b>7.3000e-003</b>	<b>1.9300e-003</b>	<b>5.0000e-005</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>6.2649</b>	<b>6.2649</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>6.2695</b>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

Limit Parking Supply

Increase Transit Frequency

TSEC - El Dorado-Lake Tahoe 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	0.0156	0.0423	0.1381	3.2000e-004	0.0278	3.5000e-004	0.0281	7.4400e-003	3.3000e-004	7.7700e-003	0.0000	29.3458	29.3458	1.1100e-003	0.0000	29.3735
Unmitigated	0.0173	0.0549	0.1807	4.8000e-004	0.0427	5.0000e-004	0.0432	0.0115	4.7000e-004	0.0119	0.0000	43.9555	43.9555	1.5100e-003	0.0000	43.9932

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	83.33	0.00	0.00	115,580	75,127
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	83.33	0.00	0.00	115,580	75,127

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
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

TSEC - El Dorado-Lake Tahoe County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Other Non-Asphalt Surfaces	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Parking Lot	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install High Efficiency Lighting

Install Energy Efficient Appliances

	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	205.6830	205.6830	4.4900e-003	9.3000e-004	206.0722
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	327.1821	327.1821	7.1400e-003	1.4800e-003	327.8012
NaturalGas Mitigated	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.3977	20.3977	3.9000e-004	3.7000e-004	20.5189
NaturalGas Unmitigated	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.3977	20.3977	3.9000e-004	3.7000e-004	20.5189

TSEC - El Dorado-Lake Tahoe County, Annual

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

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	382239	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.3977	20.3977	3.9000e-004	3.7000e-004	20.5189
Other Non-Asphalt Surfaces	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
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
<b>Total</b>		<b>2.0600e-003</b>	<b>0.0187</b>	<b>0.0157</b>	<b>1.1000e-004</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>20.3977</b>	<b>20.3977</b>	<b>3.9000e-004</b>	<b>3.7000e-004</b>	<b>20.5189</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	382239	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.3977	20.3977	3.9000e-004	3.7000e-004	20.5189
Other Non-Asphalt Surfaces	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
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
<b>Total</b>		<b>2.0600e-003</b>	<b>0.0187</b>	<b>0.0157</b>	<b>1.1000e-004</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>20.3977</b>	<b>20.3977</b>	<b>3.9000e-004</b>	<b>3.7000e-004</b>	<b>20.5189</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	466092	280.7940	6.1300e-003	1.2700e-003	281.3253
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	77000	46.3881	1.0100e-003	2.1000e-004	46.4759
<b>Total</b>		<b>327.1821</b>	<b>7.1400e-003</b>	<b>1.4800e-003</b>	<b>327.8012</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	318315	191.7665	4.1900e-003	8.7000e-004	192.1294
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	23100	13.9164	3.0000e-004	6.0000e-005	13.9428
<b>Total</b>		<b>205.6830</b>	<b>4.4900e-003</b>	<b>9.3000e-004</b>	<b>206.0722</b>

**6.0 Area Detail**

TSEC - El Dorado-Lake Tahoe County, Annual

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

	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	0.5638	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
Unmitigated	0.5956	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003



TSEC - El Dorado-Lake Tahoe County, Annual

**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	0.1416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4539					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	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
<b>Total</b>	<b>0.5956</b>	<b>2.0000e-005</b>	<b>2.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.0700e-003</b>	<b>4.0700e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-003</b>

**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	0.1416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4221					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	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
<b>Total</b>	<b>0.5638</b>	<b>2.0000e-005</b>	<b>2.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.0700e-003</b>	<b>4.0700e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-003</b>

**7.0 Water Detail**

TSEC - El Dorado-Lake Tahoe County, Annual

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Use Water Efficient Landscaping

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.0559	0.0879	2.1100e-003	12.8839
Unmitigated	12.4912	0.1099	2.6400e-003	16.0260

TSEC - El Dorado-Lake Tahoe County, Annual

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	3.36539 / 0.214812	12.4912	0.1099	2.6400e-003	16.0260
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>12.4912</b>	<b>0.1099</b>	<b>2.6400e-003</b>	<b>16.0260</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	2.69231 / 0.201709	10.0559	0.0879	2.1100e-003	12.8839
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>10.0559</b>	<b>0.0879</b>	<b>2.1100e-003</b>	<b>12.8839</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0320	1.8900e-003	0.0000	0.0792
Unmitigated	0.0426	2.5200e-003	0.0000	0.1056

TSEC - El Dorado-Lake Tahoe County, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	0.21	0.0426	2.5200e-003	0.0000	0.1056
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0426</b>	<b>2.5200e-003</b>	<b>0.0000</b>	<b>0.1056</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	0.1575	0.0320	1.8900e-003	0.0000	0.0792
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0320</b>	<b>1.8900e-003</b>	<b>0.0000</b>	<b>0.0792</b>

TSEC - El Dorado-Lake Tahoe County, Annual

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	100	0.73	Diesel
Fire Pump	1	0	12	100	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	2	0	900	1.8	CNG

**User Defined Equipment**

Equipment Type	Number
----------------	--------

TSEC - El Dorado-Lake Tahoe County, Annual

**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					
Boiler - CNG (0 - 2 MMBTU)	4.8500e-003	0.0216	0.0865	5.3000e-004		6.7100e-003	6.7100e-003		6.7100e-003	6.7100e-003	0.0000	96.0565	96.0565	1.8400e-003	0.0000	96.1025
Emergency Generator - Diesel (100 - 175 HP)	9.8000e-004	2.7500e-003	3.5700e-003	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	0.4570	0.4570	6.0000e-005	0.0000	0.4586
Fire Pump - Diesel (100 - 175 HP)	9.8000e-004	2.7500e-003	3.5700e-003	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.4570	0.4570	6.0000e-005	0.0000	0.4586
<b>Total</b>	<b>6.8100e-003</b>	<b>0.0271</b>	<b>0.0936</b>	<b>5.3000e-004</b>		<b>7.0600e-003</b>	<b>7.0600e-003</b>		<b>7.0600e-003</b>	<b>7.0600e-003</b>	<b>0.0000</b>	<b>96.9704</b>	<b>96.9704</b>	<b>1.9600e-003</b>	<b>0.0000</b>	<b>97.0196</b>

**11.0 Vegetation**

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	169.0660	0.0000	0.0000	169.0660

TSEC - El Dorado-Lake Tahoe County, Annual

**11.1 Vegetation Land Change**

**Vegetation Type**

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Others	0 / 0.1	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**11.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Aspen	32	22.5280	0.0000	0.0000	22.5280
Cedar/Larch	54	28.5120	0.0000	0.0000	28.5120
Hardwood Maple	60	62.5200	0.0000	0.0000	62.5200
Pine	87	55.5060	0.0000	0.0000	55.5060
<b>Total</b>		<b>169.0660</b>	<b>0.0000</b>	<b>0.0000</b>	<b>169.0660</b>