

APPENDIX E

UPDATED AIR QUALITY & GHG ANALYSIS

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

Tioga Workforce Housing and Fueling Stations

Mono County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	100.00	Dwelling Unit	6.25	100,000.00	286
Convenience Market With Gas Pumps	4.00	Pump	0.01	564.70	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

Project Characteristics -

Land Use -

Construction Phase - Grading: 20 days, Construction: 230 days, Paving: Separate Run

Vehicle Trips - 319 housing trips, 516 gas station trips

Construction Off-road Equipment Mitigation -

Area Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	7.16	3.19
tblVehicleTrips	ST_TR	204.47	129.00
tblVehicleTrips	SU_TR	6.07	3.19
tblVehicleTrips	SU_TR	166.88	129.00
tblVehicleTrips	WD_TR	6.59	3.19
tblVehicleTrips	WD_TR	542.60	129.00

2.0 Emissions Summary

Tioga Workforce Housing and Fueling Stations - Mono 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					
2022	1.8680	2.3415	2.6168	4.8600e-003	0.1537	0.1128	0.2665	0.0573	0.1065	0.1638	0.0000	424.6381	424.6381	0.0790	0.0000	426.6133
Maximum	1.8680	2.3415	2.6168	4.8600e-003	0.1537	0.1128	0.2665	0.0573	0.1065	0.1638	0.0000	424.6381	424.6381	0.0790	0.0000	426.6133

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					
2022	1.8680	2.3415	2.6168	4.8600e-003	0.1177	0.1128	0.2304	0.0388	0.1065	0.1452	0.0000	424.6377	424.6377	0.0790	0.0000	426.6129
Maximum	1.8680	2.3415	2.6168	4.8600e-003	0.1177	0.1128	0.2304	0.0388	0.1065	0.1452	0.0000	424.6377	424.6377	0.0790	0.0000	426.6129

	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	23.45	0.00	13.52	32.33	0.00	11.31	0.00	0.00	0.00	0.00	0.00	0.00

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	1.0040	1.0040
2	4-3-2022	7-2-2022	1.1220	1.1220
3	7-3-2022	9-30-2022	1.1096	1.1096
		Highest	1.1220	1.1220

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	6.8468	0.1311	8.4881	0.0141		1.0901	1.0901		1.0901	1.0901	103.2958	44.5337	147.8295	0.0965	8.1200e-003	152.6630
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	211.9141	211.9141	7.4700e-003	2.3800e-003	212.8090
Mobile	0.2502	1.5234	2.4272	7.0500e-003	0.4472	5.4400e-003	0.4526	0.1200	5.1000e-003	0.1251	0.0000	650.2431	650.2431	0.0397	0.0000	651.2355
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	2.0803	15.9143	17.9946	0.2143	5.1800e-003	24.8967
Total	7.1029	1.7044	10.9366	0.0214	0.4472	1.0996	1.5467	0.1200	1.0992	1.2192	114.7137	922.6052	1,037.3188	0.9098	0.0157	1,064.7376

Tioga Workforce Housing and Fueling Stations - Mono 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	0.5500	0.0698	0.7688	4.3000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003	0.0000	72.1014	72.1014	2.5300e-003	1.3000e-003	72.5519
Energy	5.1500e-003	0.0440	0.0188	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	201.4226	201.4226	7.1900e-003	2.2200e-003	202.2636
Mobile	0.2502	1.5234	2.4272	7.0500e-003	0.4472	5.4400e-003	0.4526	0.1200	5.1000e-003	0.1251	0.0000	650.2431	650.2431	0.0397	0.0000	651.2355
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	1.6643	13.3721	15.0364	0.1715	4.1500e-003	20.5603
Total	0.8053	1.6372	3.2147	7.7600e-003	0.4472	0.0181	0.4652	0.1200	0.0177	0.1377	11.0018	937.1392	948.1411	0.7727	7.6700e-003	969.7448

	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	88.66	3.95	70.61	63.81	0.00	98.36	69.92	0.00	98.39	88.71	90.41	-1.58	8.60	15.07	51.08	8.92

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	1/28/2022	5	20	
2	Building Construction	Building Construction	1/29/2022	12/16/2022	5	230	
3	Architectural Coating	Architectural Coating	1/29/2022	12/16/2022	5	230	

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 10****Acres of Paving: 0****Residential Indoor: 202,500; Residential Outdoor: 67,500; Non-Residential Indoor: 847; Non-Residential Outdoor: 282; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
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
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	72.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

Water Exposed Area

3.2 Grading - 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					
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	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0655	9.4100e-003	0.0749	0.0337	8.6600e-003	0.0423	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654

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	7.7000e-004	5.6000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9864	0.9864	4.0000e-005	0.0000	0.9873
Total	7.7000e-004	5.6000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9864	0.9864	4.0000e-005	0.0000	0.9873

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

3.2 Grading - 2022**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					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0295	9.4100e-003	0.0389	0.0152	8.6600e-003	0.0238	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.6000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9864	0.9864	4.0000e-005	0.0000	0.9873
Total	7.7000e-004	5.6000e-004	4.9300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9864	0.9864	4.0000e-005	0.0000	0.9873

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

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	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4840	266.4840	0.0638	0.0000	268.0801
Total	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4840	266.4840	0.0638	0.0000	268.0801

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	6.2100e-003	0.1375	0.0435	3.9000e-004	8.3500e-003	3.4000e-004	8.6900e-003	2.4200e-003	3.2000e-004	2.7400e-003	0.0000	36.7164	36.7164	2.3300e-003	0.0000	36.7747
Worker	0.0427	0.0311	0.2723	6.0000e-004	0.0658	4.8000e-004	0.0663	0.0175	4.4000e-004	0.0180	0.0000	54.4471	54.4471	2.0600e-003	0.0000	54.4987
Total	0.0489	0.1685	0.3158	9.9000e-004	0.0742	8.2000e-004	0.0750	0.0199	7.6000e-004	0.0207	0.0000	91.1636	91.1636	4.3900e-003	0.0000	91.2733

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

3.3 Building Construction - 2022**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	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4837	266.4837	0.0638	0.0000	268.0798
Total	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4837	266.4837	0.0638	0.0000	268.0798

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	6.2100e-003	0.1375	0.0435	3.9000e-004	8.3500e-003	3.4000e-004	8.6900e-003	2.4200e-003	3.2000e-004	2.7400e-003	0.0000	36.7164	36.7164	2.3300e-003	0.0000	36.7747
Worker	0.0427	0.0311	0.2723	6.0000e-004	0.0658	4.8000e-004	0.0663	0.0175	4.4000e-004	0.0180	0.0000	54.4471	54.4471	2.0600e-003	0.0000	54.4987
Total	0.0489	0.1685	0.3158	9.9000e-004	0.0742	8.2000e-004	0.0750	0.0199	7.6000e-004	0.0207	0.0000	91.1636	91.1636	4.3900e-003	0.0000	91.2733

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

3.4 Architectural Coating - 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					
Archit. Coating	1.5709					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1620	0.2086	3.4000e-004		9.4000e-003	9.4000e-003		9.4000e-003	9.4000e-003	0.0000	29.3624	29.3624	1.9100e-003	0.0000	29.4102
Total	1.5944	0.1620	0.2086	3.4000e-004		9.4000e-003	9.4000e-003		9.4000e-003	9.4000e-003	0.0000	29.3624	29.3624	1.9100e-003	0.0000	29.4102

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	8.3000e-003	6.0400e-003	0.0530	1.2000e-004	0.0128	9.0000e-005	0.0129	3.4000e-003	9.0000e-005	3.4900e-003	0.0000	10.5869	10.5869	4.0000e-004	0.0000	10.5970
Total	8.3000e-003	6.0400e-003	0.0530	1.2000e-004	0.0128	9.0000e-005	0.0129	3.4000e-003	9.0000e-005	3.4900e-003	0.0000	10.5869	10.5869	4.0000e-004	0.0000	10.5970

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

3.4 Architectural Coating - 2022**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	1.5709					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1620	0.2086	3.4000e-004		9.4000e-003	9.4000e-003		9.4000e-003	9.4000e-003	0.0000	29.3624	29.3624	1.9100e-003	0.0000	29.4102
Total	1.5944	0.1620	0.2086	3.4000e-004		9.4000e-003	9.4000e-003		9.4000e-003	9.4000e-003	0.0000	29.3624	29.3624	1.9100e-003	0.0000	29.4102

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	8.3000e-003	6.0400e-003	0.0530	1.2000e-004	0.0128	9.0000e-005	0.0129	3.4000e-003	9.0000e-005	3.4900e-003	0.0000	10.5869	10.5869	4.0000e-004	0.0000	10.5970
Total	8.3000e-003	6.0400e-003	0.0530	1.2000e-004	0.0128	9.0000e-005	0.0129	3.4000e-003	9.0000e-005	3.4900e-003	0.0000	10.5869	10.5869	4.0000e-004	0.0000	10.5970

4.0 Operational Detail - Mobile

Tioga Workforce Housing and Fueling Stations - Mono 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	0.2502	1.5234	2.4272	7.0500e-003	0.4472	5.4400e-003	0.4526	0.1200	5.1000e-003	0.1251	0.0000	650.2431	650.2431	0.0397	0.0000	651.2355
Unmitigated	0.2502	1.5234	2.4272	7.0500e-003	0.4472	5.4400e-003	0.4526	0.1200	5.1000e-003	0.1251	0.0000	650.2431	650.2431	0.0397	0.0000	651.2355

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	319.00	319.00	319.00	913,057	913,057
Convenience Market With Gas Pumps	516.00	516.00	516.00	276,785	276,785
Total	835.00	835.00	835.00	1,189,842	1,189,842

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
Apartments Low Rise	10.80	7.30	7.50	42.30	19.60	38.10	86	11	3
Convenience Market With Gas	9.50	7.30	7.30	0.80	80.20	19.00	14	21	65

4.4 Fleet Mix

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204
Convenience Market With Gas Pumps	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	150.4787	150.4787	6.2100e-003	1.2900e-003	151.0171
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	154.0661	154.0661	6.3600e-003	1.3200e-003	154.6173
NaturalGas Mitigated	5.1500e-003	0.0440	0.0188	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	50.9438	50.9438	9.8000e-004	9.3000e-004	51.2466
NaturalGas Unmitigated	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8479	57.8479	1.1100e-003	1.0600e-003	58.1917

Tioga Workforce Housing and Fueling Stations - Mono 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					
Apartments Low Rise	1.07996e+006	5.8200e-003	0.0498	0.0212	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.6307	57.6307	1.1000e-003	1.0600e-003	57.9731
Convenience Market With Gas Pumps	4071.49	2.0000e-005	2.0000e-004	1.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2173	0.2173	0.0000	0.0000	0.2186
Total		5.8400e-003	0.0500	0.0214	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	57.8479	57.8479	1.1000e-003	1.0600e-003	58.1917

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					
Apartments Low Rise	951150	5.1300e-003	0.0438	0.0187	2.8000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	50.7570	50.7570	9.7000e-004	9.3000e-004	51.0586
Convenience Market With Gas Pumps	3501.48	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1869	0.1869	0.0000	0.0000	0.1880
Total		5.1500e-003	0.0440	0.0188	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003	0.0000	50.9438	50.9438	9.7000e-004	9.3000e-004	51.2466

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	475905	151.6335	6.2600e-003	1.3000e-003	152.1760
Convenience Market With Gas Pumps	7634.74	2.4326	1.0000e-004	2.0000e-005	2.4413
Total		154.0661	6.3600e-003	1.3200e-003	154.6173

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	465042	148.1723	6.1200e-003	1.2700e-003	148.7024
Convenience Market With Gas Pumps	7238.66	2.3064	1.0000e-004	2.0000e-005	2.3146
Total		150.4787	6.2200e-003	1.2900e-003	151.0171

6.0 Area Detail**6.1 Mitigation Measures Area**

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

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	0.5500	0.0698	0.7688	4.3000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003	0.0000	72.1014	72.1014	2.5300e-003	1.3000e-003	72.5519
Unmitigated	6.8468	0.1311	8.4881	0.0141		1.0901	1.0901		1.0901	1.0901	103.2958	44.5337	147.8295	0.0965	8.1200e-003	152.6630

Tioga Workforce Housing and Fueling Stations - Mono 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	0.1571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3928					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.2746	0.1225	7.7453	0.0140		1.0860	1.0860		1.0860	1.0860	103.2958	43.3207	146.6165	0.0953	8.1200e-003	151.4209
Landscaping	0.0224	8.5600e-003	0.7427	4.0000e-005		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	1.2130	1.2130	1.1700e-003	0.0000	1.2421
Total	6.8469	0.1311	8.4881	0.0141		1.0901	1.0901		1.0901	1.0901	103.2958	44.5337	147.8295	0.0965	8.1200e-003	152.6630

Tioga Workforce Housing and Fueling Stations - Mono 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	0.1571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3634					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.1600e-003	0.0612	0.0261	3.9000e-004		4.9500e-003	4.9500e-003		4.9500e-003	4.9500e-003	0.0000	70.8885	70.8885	1.3600e-003	1.3000e-003	71.3097
Landscaping	0.0224	8.5600e-003	0.7427	4.0000e-005		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	1.2130	1.2130	1.1700e-003	0.0000	1.2421
Total	0.5500	0.0698	0.7688	4.3000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003	0.0000	72.1014	72.1014	2.5300e-003	1.3000e-003	72.5519

7.0 Water Detail**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

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	15.0364	0.1715	4.1500e-003	20.5603
Unmitigated	17.9946	0.2143	5.1800e-003	24.8967

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	6.5154 / 4.10754	17.8806	0.2130	5.1500e-003	24.7387
Convenience Market With Gas Pumps	0.0418287 / 0.025637	0.1140	1.3700e-003	3.0000e-005	0.1580
Total		17.9946	0.2143	5.1800e-003	24.8967

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	5.21232 / 3.85698	14.9412	0.1704	4.1200e-003	20.4299
Convenience Market With Gas Pumps	0.033463 / 0.0240731	0.0952	1.0900e-003	3.0000e-005	0.1304
Total		15.0363	0.1715	4.1500e-003	20.5603

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.3376	0.5518	0.0000	23.1335
Unmitigated	9.3376	0.5518	0.0000	23.1335

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	46	9.3376	0.5518	0.0000	23.1335
Total		9.3376	0.5518	0.0000	23.1335

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	46	9.3376	0.5518	0.0000	23.1335
Total		9.3376	0.5518	0.0000	23.1335

9.0 Operational Offroad

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

Tioga Workforce Housing and Fueling Stations - Mono County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Workforce Septic - Mono County, Annual

Tioga Workforce Septic

Mono County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.10	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Septic System

Construction Phase - Excavate: 2 weeks, Install: 1 week

Off-road Equipment - Excavate: 1 bobcat, 1 loader/backhoe

Off-road Equipment - Install: 1 crane, 1 loader/backhoe 1 welder, 1 forklift

Tioga Workforce Septic - Mono County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	PhaseEndDate	7/7/2022	3/16/2022
tblConstructionPhase	PhaseEndDate	2/17/2022	3/1/2022
tblConstructionPhase	PhaseStartDate	2/18/2022	3/10/2022
tblLandUse	LotAcreage	0.00	0.10
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading

2.0 Emissions Summary

Tioga Workforce Septic - Mono 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					
2022	2.7500e-003	0.0241	0.0285	5.0000e-005	4.1600e-003	1.1600e-003	5.3200e-003	2.1700e-003	1.0800e-003	3.2500e-003	0.0000	3.9542	3.9542	1.1100e-003	0.0000	3.9820
Maximum	2.7500e-003	0.0241	0.0285	5.0000e-005	4.1600e-003	1.1600e-003	5.3200e-003	2.1700e-003	1.0800e-003	3.2500e-003	0.0000	3.9542	3.9542	1.1100e-003	0.0000	3.9820

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					
2022	2.7500e-003	0.0179	0.0285	5.0000e-005	4.1600e-003	1.1600e-003	5.3200e-003	2.1700e-003	1.0800e-003	3.2500e-003	0.0000	3.9542	3.9542	1.1100e-003	0.0000	3.9820
Maximum	2.7500e-003	0.0179	0.0285	5.0000e-005	4.1600e-003	1.1600e-003	5.3200e-003	2.1700e-003	1.0800e-003	3.2500e-003	0.0000	3.9542	3.9542	1.1100e-003	0.0000	3.9820

[illegible]

Tioga Workforce Septic - Mono County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2022	4-30-2022	0.0268	0.0206
		Highest	0.0268	0.0206

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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Tioga Workforce Septic - Mono 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	2/16/2022	3/1/2022	5	10	
2	Building Construction	Building Construction	3/10/2022	3/16/2022	5	5	

Tioga Workforce Septic - Mono County, Annual

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Skid Steer Loaders	1	6.00	65	0.37
Building Construction	Welders	1	6.00	46	0.45
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	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
Building Construction	5	0.00	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

3.1 Mitigation Measures Construction

Tioga Workforce Septic - Mono County, Annual

3.2 Grading - 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					
Fugitive Dust					3.7600e-003	0.0000	3.7600e-003	2.0700e-003	0.0000	2.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8000e-004	9.7500e-003	0.0136	2.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	1.7038	1.7038	5.5000e-004	0.0000	1.7175
Total	8.8000e-004	9.7500e-003	0.0136	2.0000e-005	3.7600e-003	4.7000e-004	4.2300e-003	2.0700e-003	4.3000e-004	2.5000e-003	0.0000	1.7038	1.7038	5.5000e-004	0.0000	1.7175

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	2.6000e-004	1.9000e-004	1.6400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3288	0.3288	1.0000e-005	0.0000	0.3291
Total	2.6000e-004	1.9000e-004	1.6400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3288	0.3288	1.0000e-005	0.0000	0.3291

Tioga Workforce Septic - Mono County, Annual

3.2 Grading - 2022**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					3.7600e-003	0.0000	3.7600e-003	2.0700e-003	0.0000	2.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8000e-004	6.2800e-003	0.0136	2.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	1.7038	1.7038	5.5000e-004	0.0000	1.7175
Total	8.8000e-004	6.2800e-003	0.0136	2.0000e-005	3.7600e-003	4.7000e-004	4.2300e-003	2.0700e-003	4.3000e-004	2.5000e-003	0.0000	1.7038	1.7038	5.5000e-004	0.0000	1.7175

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	2.6000e-004	1.9000e-004	1.6400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3288	0.3288	1.0000e-005	0.0000	0.3291
Total	2.6000e-004	1.9000e-004	1.6400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3288	0.3288	1.0000e-005	0.0000	0.3291

Tioga Workforce Septic - Mono County, Annual

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	1.6100e-003	0.0141	0.0133	2.0000e-005		6.9000e-004	6.9000e-004		6.5000e-004	6.5000e-004	0.0000	1.9216	1.9216	5.5000e-004	0.0000	1.9354
Total	1.6100e-003	0.0141	0.0133	2.0000e-005		6.9000e-004	6.9000e-004		6.5000e-004	6.5000e-004	0.0000	1.9216	1.9216	5.5000e-004	0.0000	1.9354

Unmitigated Construction Off-Site

[illegible]

Tioga Workforce Septic - Mono County, Annual

3.3 Building Construction - 2022**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	1.6100e-003	0.0114	0.0133	2.0000e-005		6.9000e-004	6.9000e-004		6.5000e-004	6.5000e-004	0.0000	1.9216	1.9216	5.5000e-004	0.0000	1.9354
Total	1.6100e-003	0.0114	0.0133	2.0000e-005		6.9000e-004	6.9000e-004		6.5000e-004	6.5000e-004	0.0000	1.9216	1.9216	5.5000e-004	0.0000	1.9354

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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

Tioga Workforce Septic - Mono 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

Tioga Workforce Septic - Mono County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

Tioga Workforce Septic - Mono County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Tioga Workforce Septic - Mono County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

Tioga Workforce Septic - Mono 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Tioga Workforce Septic - Mono 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail**7.1 Mitigation Measures Water**

Tioga Workforce Septic - Mono County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Tioga Workforce Septic - Mono County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Tioga Workforce Septic - Mono County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Tioga Workforce Septic - Mono County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

Tioga Workforce Propane Tank and Water Storage

Mono County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.10	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Propane or Water Storage Tank

Construction Phase - Excavate: 1 week, Concrete Pad: 1 week, Install: 1 week

Off-road Equipment - Excavate: 1 bobcat, 1 loader/backhoe

Off-road Equipment - Concrete Pad, 1 mixer, 1 pump, 1 roller,

Off-road Equipment - Install: 1 crane, 1 forklift, 1 welder

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	PhaseEndDate	6/8/2022	2/25/2022
tblConstructionPhase	PhaseEndDate	1/19/2022	1/24/2022
tblConstructionPhase	PhaseEndDate	6/15/2022	2/7/2022
tblConstructionPhase	PhaseStartDate	1/20/2022	2/20/2022
tblConstructionPhase	PhaseStartDate	6/9/2022	2/1/2022
tblLandUse	LotAcreage	0.00	0.10
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Building Construction
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

2.0 Emissions Summary

Tioga Inn Propane Tank and Water Storage - Mono 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					
2022	2.9400e-003	0.0250	0.0272	5.0000e-005	2.1400e-003	1.2400e-003	3.3800e-003	1.1000e-003	1.1800e-003	2.2800e-003	0.0000	3.9553	3.9553	8.4000e-004	0.0000	3.9763
Maximum	2.9400e-003	0.0250	0.0272	5.0000e-005	2.1400e-003	1.2400e-003	3.3800e-003	1.1000e-003	1.1800e-003	2.2800e-003	0.0000	3.9553	3.9553	8.4000e-004	0.0000	3.9763

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					
2022	2.9400e-003	0.0250	0.0272	5.0000e-005	2.1400e-003	1.2400e-003	3.3800e-003	1.1000e-003	1.1800e-003	2.2800e-003	0.0000	3.9553	3.9553	8.4000e-004	0.0000	3.9763
Maximum	2.9400e-003	0.0250	0.0272	5.0000e-005	2.1400e-003	1.2400e-003	3.3800e-003	1.1000e-003	1.1800e-003	2.2800e-003	0.0000	3.9553	3.9553	8.4000e-004	0.0000	3.9763

[illegible]

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.0263	0.0263
		Highest	0.0263	0.0263

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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Tioga Inn Propane Tank and Water Storage - Mono 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/18/2022	1/24/2022	5	5	
2	Building Construction	Building Construction	2/20/2022	2/25/2022	5	5	
3	Paving	Paving	2/1/2022	2/7/2022	5	5	

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Skid Steer Loaders	1	6.00	65	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pumps	1	6.00	84	0.74
Building Construction	Welders	1	6.00	46	0.45
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Grading	Tractors/Loaders/Backhoes	1	6.00	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
Building Construction	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

3.2 Grading - 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					
Fugitive Dust					1.8800e-003	0.0000	1.8800e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4000e-004	4.8800e-003	6.8000e-003	1.0000e-005		2.3000e-004	2.3000e-004		2.1000e-004	2.1000e-004	0.0000	0.8533	0.8533	2.8000e-004	0.0000	0.8602
Total	4.4000e-004	4.8800e-003	6.8000e-003	1.0000e-005	1.8800e-003	2.3000e-004	2.1100e-003	1.0300e-003	2.1000e-004	1.2400e-003	0.0000	0.8533	0.8533	2.8000e-004	0.0000	0.8602

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	5.0000e-005	4.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0822	0.0822	0.0000	0.0000	0.0823
Total	6.0000e-005	5.0000e-005	4.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0822	0.0822	0.0000	0.0000	0.0823

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

3.2 Grading - 2022**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					1.8800e-003	0.0000	1.8800e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4000e-004	4.8800e-003	6.8000e-003	1.0000e-005		2.3000e-004	2.3000e-004		2.1000e-004	2.1000e-004	0.0000	0.8533	0.8533	2.8000e-004	0.0000	0.8602
Total	4.4000e-004	4.8800e-003	6.8000e-003	1.0000e-005	1.8800e-003	2.3000e-004	2.1100e-003	1.0300e-003	2.1000e-004	1.2400e-003	0.0000	0.8533	0.8533	2.8000e-004	0.0000	0.8602

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	5.0000e-005	4.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0822	0.0822	0.0000	0.0000	0.0823
Total	6.0000e-005	5.0000e-005	4.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0822	0.0822	0.0000	0.0000	0.0823

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

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	1.2000e-003	9.9500e-003	7.7100e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	1.2384	1.2384	3.3000e-004	0.0000	1.2466
Total	1.2000e-003	9.9500e-003	7.7100e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	1.2384	1.2384	3.3000e-004	0.0000	1.2466

Unmitigated Construction Off-Site

[illegible]

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

3.3 Building Construction - 2022

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	1.2000e-003	9.9500e-003	7.7100e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	1.2384	1.2384	3.3000e-004	0.0000	1.2466
Total	1.2000e-003	9.9500e-003	7.7100e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	1.2384	1.2384	3.3000e-004	0.0000	1.2466

Mitigated Construction Off-Site

[illegible]

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

3.4 Paving - 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	1.1300e-003	0.0100	0.0117	2.0000e-005		5.4000e-004	5.4000e-004		5.2000e-004	5.2000e-004	0.0000	1.6500	1.6500	2.3000e-004	0.0000	1.6556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.1300e-003	0.0100	0.0117	2.0000e-005		5.4000e-004	5.4000e-004		5.2000e-004	5.2000e-004	0.0000	1.6500	1.6500	2.3000e-004	0.0000	1.6556

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	1.0000e-004	8.0000e-005	6.6000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1315	0.1315	0.0000	0.0000	0.1316
Total	1.0000e-004	8.0000e-005	6.6000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1315	0.1315	0.0000	0.0000	0.1316

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

3.4 Paving - 2022**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	1.1300e-003	0.0100	0.0117	2.0000e-005		5.4000e-004	5.4000e-004		5.2000e-004	5.2000e-004	0.0000	1.6500	1.6500	2.3000e-004	0.0000	1.6556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.1300e-003	0.0100	0.0117	2.0000e-005		5.4000e-004	5.4000e-004		5.2000e-004	5.2000e-004	0.0000	1.6500	1.6500	2.3000e-004	0.0000	1.6556

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	1.0000e-004	8.0000e-005	6.6000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1315	0.1315	0.0000	0.0000	0.1316
Total	1.0000e-004	8.0000e-005	6.6000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1315	0.1315	0.0000	0.0000	0.1316

4.0 Operational Detail - Mobile

Tioga Inn Propane Tank and Water Storage - Mono 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.523641	0.038063	0.196890	0.123669	0.027642	0.006698	0.008481	0.059043	0.006730	0.001326	0.005527	0.000980	0.001310

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

Tioga Inn Propane Tank and Water Storage - Mono 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Tioga Inn Propane Tank and Water Storage - Mono 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail**7.1 Mitigation Measures Water**

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Tioga Inn Propane Tank and Water Storage - Mono County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Tioga Work Force Hotel and Restaurant Cumulative Emissions

Mono County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High Turnover (Sit Down Restaurant)	10.00	1000sqft	0.23	10,000.00	0
Hotel	120.00	Room	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - 8 days grading, 230 days construction, 18 days pave

Vehicle Trips - trip rates per traffic engineer

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation - 50%

Water Mitigation -

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	230.00
tblConstructionPhase	PhaseEndDate	2/22/2024	12/1/2023
tblConstructionPhase	PhaseEndDate	1/3/2024	12/1/2023
tblConstructionPhase	PhaseEndDate	2/15/2023	1/11/2023
tblConstructionPhase	PhaseEndDate	1/29/2024	12/27/2023
tblConstructionPhase	PhaseStartDate	1/30/2024	1/15/2023
tblConstructionPhase	PhaseStartDate	2/16/2023	1/15/2023
tblConstructionPhase	PhaseStartDate	2/4/2023	1/1/2023
tblConstructionPhase	PhaseStartDate	1/4/2024	12/2/2023
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	158.37	84.10
tblVehicleTrips	ST_TR	8.19	6.27
tblVehicleTrips	SU_TR	131.84	84.10
tblVehicleTrips	SU_TR	5.95	6.27
tblVehicleTrips	WD_TR	127.15	84.10
tblVehicleTrips	WD_TR	8.17	6.27

2.0 Emissions Summary

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono 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					
2023	2.4409	2.3107	2.7918	5.8700e-003	0.1806	0.0970	0.2775	0.0550	0.0916	0.1466	0.0000	518.7116	518.7116	0.0813	0.0000	520.7446
Maximum	2.4409	2.3107	2.7918	5.8700e-003	0.1806	0.0970	0.2775	0.0550	0.0916	0.1466	0.0000	518.7116	518.7116	0.0813	0.0000	520.7446

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					
2023	2.4409	2.3107	2.7918	5.8700e-003	0.1646	0.0970	0.2616	0.0468	0.0916	0.1384	0.0000	518.7112	518.7112	0.0813	0.0000	520.7442
Maximum	2.4409	2.3107	2.7918	5.8700e-003	0.1646	0.0970	0.2616	0.0468	0.0916	0.1384	0.0000	518.7112	518.7112	0.0813	0.0000	520.7442

	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	8.85	0.00	5.76	14.95	0.00	5.60	0.00	0.00	0.00	0.00	0.00	0.00

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	1.1591	1.1591
2	4-1-2023	6-30-2023	1.2909	1.2909
3	7-1-2023	9-30-2023	1.3051	1.3051
		Highest	1.3051	1.3051

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	0.9332	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003
Energy	0.0258	0.2343	0.1968	1.4100e-003		0.0178	0.0178		0.0178	0.0178	0.0000	747.4766	747.4766	0.0252	8.8800e-003	750.7539
Mobile	0.4867	2.9785	4.8335	0.0143	0.9252	0.0111	0.9363	0.2483	0.0104	0.2586	0.0000	1,317.603 2	1,317.603 2	0.0779	0.0000	1,319.549 6
Waste						0.0000	0.0000		0.0000	0.0000	37.4924	0.0000	37.4924	2.2157	0.0000	92.8859
Water						0.0000	0.0000		0.0000	0.0000	1.9287	11.0744	13.0031	0.1986	4.7700e-003	19.3890
Total	1.4457	3.2128	5.0315	0.0157	0.9252	0.0289	0.9541	0.2483	0.0282	0.2764	39.4211	2,076.156 5	2,115.577 7	2.5174	0.0137	2,182.580 9

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono 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	0.8794	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003
Energy	0.0258	0.2343	0.1968	1.4100e-003		0.0178	0.0178		0.0178	0.0178	0.0000	501.2571	501.2571	0.0151	6.7800e-003	503.6535
Mobile	0.4867	2.9785	4.8335	0.0143	0.9252	0.0111	0.9363	0.2483	0.0104	0.2586	0.0000	1,317.6032	1,317.6032	0.0779	0.0000	1,319.5496
Waste						0.0000	0.0000		0.0000	0.0000	37.4924	0.0000	37.4924	2.2157	0.0000	92.8859
Water						0.0000	0.0000		0.0000	0.0000	1.5430	8.9420	10.4849	0.1589	3.8200e-003	15.5940
Total	1.3919	3.2128	5.0315	0.0157	0.9252	0.0289	0.9541	0.2483	0.0282	0.2764	39.0354	1,827.8046	1,866.8400	2.4675	0.0106	1,931.6854

	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	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	11.96	11.76	1.98	22.34	11.50

3.0 Construction Detail**Construction Phase**

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2023	1/11/2023	5	8	
2	Building Construction	Building Construction	1/15/2023	12/1/2023	5	230	
3	Paving	Paving	12/2/2023	12/27/2023	5	18	
4	Architectural Coating	Architectural Coating	1/15/2023	12/1/2023	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 276,360; Non-Residential Outdoor: 92,120; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

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	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	77.00	30.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.2 Grading - 2023**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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0717	0.0590	1.2000e-004		3.1000e-003	3.1000e-003		2.8500e-003	2.8500e-003	0.0000	10.4243	10.4243	3.3700e-003	0.0000	10.5085
Total	6.8400e-003	0.0717	0.0590	1.2000e-004	0.0262	3.1000e-003	0.0293	0.0135	2.8500e-003	0.0163	0.0000	10.4243	10.4243	3.3700e-003	0.0000	10.5085

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	4.1000e-004	3.0000e-004	2.4800e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	0.0000	0.5852
Total	4.1000e-004	3.0000e-004	2.4800e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	0.0000	0.5852

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.2 Grading - 2023**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					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0717	0.0590	1.2000e-004		3.1000e-003	3.1000e-003		2.8500e-003	2.8500e-003	0.0000	10.4242	10.4242	3.3700e-003	0.0000	10.5085
Total	6.8400e-003	0.0717	0.0590	1.2000e-004	0.0102	3.1000e-003	0.0133	5.2500e-003	2.8500e-003	8.1000e-003	0.0000	10.4242	10.4242	3.3700e-003	0.0000	10.5085

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	4.1000e-004	3.0000e-004	2.4800e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	0.0000	0.5852
Total	4.1000e-004	3.0000e-004	2.4800e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	0.0000	0.5852

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.3 Building Construction - 2023**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	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5755	266.5755	0.0634	0.0000	268.1608
Total	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5755	266.5755	0.0634	0.0000	268.1608

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	0.0132	0.3023	0.0998	9.7000e-004	0.0206	4.3000e-004	0.0210	5.9600e-003	4.1000e-004	6.3700e-003	0.0000	92.1613	92.1613	4.6800e-003	0.0000	92.2782
Worker	0.0612	0.0438	0.3658	9.6000e-004	0.1095	7.4000e-004	0.1102	0.0291	6.8000e-004	0.0298	0.0000	86.2974	86.2974	2.8400e-003	0.0000	86.3683
Total	0.0744	0.3460	0.4656	1.9300e-003	0.1301	1.1700e-003	0.1313	0.0351	1.0900e-003	0.0362	0.0000	178.4586	178.4586	7.5200e-003	0.0000	178.6465

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.3 Building Construction - 2023**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	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5751	266.5751	0.0634	0.0000	268.1605
Total	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5751	266.5751	0.0634	0.0000	268.1605

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	0.0132	0.3023	0.0998	9.7000e-004	0.0206	4.3000e-004	0.0210	5.9600e-003	4.1000e-004	6.3700e-003	0.0000	92.1613	92.1613	4.6800e-003	0.0000	92.2782
Worker	0.0612	0.0438	0.3658	9.6000e-004	0.1095	7.4000e-004	0.1102	0.0291	6.8000e-004	0.0298	0.0000	86.2974	86.2974	2.8400e-003	0.0000	86.3683
Total	0.0744	0.3460	0.4656	1.9300e-003	0.1301	1.1700e-003	0.1313	0.0351	1.0900e-003	0.0362	0.0000	178.4586	178.4586	7.5200e-003	0.0000	178.6465

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.4 Paving - 2023**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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

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	1.2400e-003	8.9000e-004	7.4300e-003	2.0000e-005	2.2300e-003	2.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.7542	1.7542	6.0000e-005	0.0000	1.7557
Total	1.2400e-003	8.9000e-004	7.4300e-003	2.0000e-005	2.2300e-003	2.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.7542	1.7542	6.0000e-005	0.0000	1.7557

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.4 Paving - 2023**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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

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	1.2400e-003	8.9000e-004	7.4300e-003	2.0000e-005	2.2300e-003	2.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.7542	1.7542	6.0000e-005	0.0000	1.7557
Total	1.2400e-003	8.9000e-004	7.4300e-003	2.0000e-005	2.2300e-003	2.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.7542	1.7542	6.0000e-005	0.0000	1.7557

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.5 Architectural Coating - 2023**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	2.1349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.1498	0.2083	3.4000e-004		8.1400e-003	8.1400e-003		8.1400e-003	8.1400e-003	0.0000	29.3624	29.3624	1.7600e-003	0.0000	29.4063
Total	2.1569	0.1498	0.2083	3.4000e-004		8.1400e-003	8.1400e-003		8.1400e-003	8.1400e-003	0.0000	29.3624	29.3624	1.7600e-003	0.0000	29.4063

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	0.0119	8.5300e-003	0.0713	1.9000e-004	0.0213	1.4000e-004	0.0215	5.6700e-003	1.3000e-004	5.8000e-003	0.0000	16.8112	16.8112	5.5000e-004	0.0000	16.8250
Total	0.0119	8.5300e-003	0.0713	1.9000e-004	0.0213	1.4000e-004	0.0215	5.6700e-003	1.3000e-004	5.8000e-003	0.0000	16.8112	16.8112	5.5000e-004	0.0000	16.8250

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

3.5 Architectural Coating - 2023**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	2.1349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.1498	0.2083	3.4000e-004		8.1400e-003	8.1400e-003		8.1400e-003	8.1400e-003	0.0000	29.3624	29.3624	1.7600e-003	0.0000	29.4063
Total	2.1569	0.1498	0.2083	3.4000e-004		8.1400e-003	8.1400e-003		8.1400e-003	8.1400e-003	0.0000	29.3624	29.3624	1.7600e-003	0.0000	29.4063

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	0.0119	8.5300e-003	0.0713	1.9000e-004	0.0213	1.4000e-004	0.0215	5.6700e-003	1.3000e-004	5.8000e-003	0.0000	16.8112	16.8112	5.5000e-004	0.0000	16.8250
Total	0.0119	8.5300e-003	0.0713	1.9000e-004	0.0213	1.4000e-004	0.0215	5.6700e-003	1.3000e-004	5.8000e-003	0.0000	16.8112	16.8112	5.5000e-004	0.0000	16.8250

4.0 Operational Detail - Mobile

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono 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	0.4867	2.9785	4.8335	0.0143	0.9252	0.0111	0.9363	0.2483	0.0104	0.2586	0.0000	1,317.603 2	1,317.603 2	0.0779	0.0000	1,319,549 6
Unmitigated	0.4867	2.9785	4.8335	0.0143	0.9252	0.0111	0.9363	0.2483	0.0104	0.2586	0.0000	1,317.603 2	1,317.603 2	0.0779	0.0000	1,319,549 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	841.00	841.00	841.00	950,261	950,261
Hotel	752.40	752.40	752.40	1,511,699	1,511,699
Total	1,593.40	1,593.40	1,593.40	2,461,960	2,461,960

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
High Turnover (Sit Down)	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4

4.4 Fleet Mix

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204
Hotel	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	246.2196	246.2196	0.0102	2.1000e-003	247.1004
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	492.4391	492.4391	0.0203	4.2100e-003	494.2008
NaturalGas Mitigated	0.0258	0.2343	0.1968	1.4100e-003		0.0178	0.0178		0.0178	0.0178	0.0000	255.0375	255.0375	4.8900e-003	4.6800e-003	256.5531
NaturalGas Unmitigated	0.0258	0.2343	0.1968	1.4100e-003		0.0178	0.0178		0.0178	0.0178	0.0000	255.0375	255.0375	4.8900e-003	4.6800e-003	256.5531

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono 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					
High Turnover (Sit Down Restaurant)	1.162e+006	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	62.0088	62.0088	1.1900e-003	1.1400e-003	62.3772
Hotel	3.61722e+006	0.0195	0.1773	0.1489	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0288	193.0288	3.7000e-003	3.5400e-003	194.1758
Total		0.0258	0.2343	0.1968	1.4000e-003		0.0178	0.0178		0.0178	0.0178	0.0000	255.0375	255.0375	4.8900e-003	4.6800e-003	256.5531

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					
High Turnover (Sit Down Restaurant)	1.162e+006	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	62.0088	62.0088	1.1900e-003	1.1400e-003	62.3772
Hotel	3.61722e+006	0.0195	0.1773	0.1489	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0288	193.0288	3.7000e-003	3.5400e-003	194.1758
Total		0.0258	0.2343	0.1968	1.4000e-003		0.0178	0.0178		0.0178	0.0178	0.0000	255.0375	255.0375	4.8900e-003	4.6800e-003	256.5531

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High Turnover (Sit Down Restaurant)	245700	78.2853	3.2300e-003	6.7000e-004	78.5654
Hotel	1.29983e+006	414.1538	0.0171	3.5400e-003	415.6355
Total		492.4391	0.0203	4.2100e-003	494.2008

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High Turnover (Sit Down Restaurant)	122850	39.1426	1.6200e-003	3.3000e-004	39.2827
Hotel	649915	207.0769	8.5500e-003	1.7700e-003	207.8177
Total		246.2196	0.0102	2.1000e-003	247.1004

6.0 Area Detail**6.1 Mitigation Measures Area**

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

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	0.8794	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003
Unmitigated	0.9332	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono 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	0.2135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7196					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	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003
Total	0.9332	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6658					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	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003
Total	0.8794	1.0000e-005	1.1900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3200e-003	2.3200e-003	1.0000e-005	0.0000	2.4800e-003

7.0 Water Detail

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono 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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.4849	0.1589	3.8200e-003	15.5940
Unmitigated	13.0031	0.1986	4.7700e-003	19.3890

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	3.03534 / 0.193745	6.4121	0.0991	2.3800e-003	9.6002
Hotel	3.04401 / 0.338224	6.5910	0.0994	2.3900e-003	9.7888
Total		13.0031	0.1986	4.7700e-003	19.3890

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	2.42827 / 0.181926	5.1597	0.0793	1.9100e-003	7.7103
Hotel	2.43521 / 0.317592	5.3252	0.0795	1.9100e-003	7.8836
Total		10.4849	0.1589	3.8200e-003	15.5940

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.4924	2.2157	0.0000	92.8859
Unmitigated	37.4924	2.2157	0.0000	92.8859

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	119	24.1559	1.4276	0.0000	59.8453
Hotel	65.7	13.3365	0.7882	0.0000	33.0406
Total		37.4924	2.2157	0.0000	92.8859

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	119	24.1559	1.4276	0.0000	59.8453
Hotel	65.7	13.3365	0.7882	0.0000	33.0406
Total		37.4924	2.2157	0.0000	92.8859

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Annual

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

Tioga Work Force Hotel and Restaurant Cumulative Emissions

Mono County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High Turnover (Sit Down Restaurant)	10.00	1000sqft	0.23	10,000.00	0
Hotel	120.00	Room	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1	Operational Year	2023		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - 8 days grading, 230 days construction, 18 days pave

Vehicle Trips - trip rates per traffic engineer

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation - 50%

Water Mitigation -

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	230.00
tblConstructionPhase	PhaseEndDate	2/22/2024	12/1/2023
tblConstructionPhase	PhaseEndDate	1/3/2024	12/1/2023
tblConstructionPhase	PhaseEndDate	2/15/2023	1/11/2023
tblConstructionPhase	PhaseEndDate	1/29/2024	12/27/2023
tblConstructionPhase	PhaseStartDate	1/30/2024	1/15/2023
tblConstructionPhase	PhaseStartDate	2/16/2023	1/15/2023
tblConstructionPhase	PhaseStartDate	2/4/2023	1/1/2023
tblConstructionPhase	PhaseStartDate	1/4/2024	12/2/2023
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	158.37	84.10
tblVehicleTrips	ST_TR	8.19	6.27
tblVehicleTrips	SU_TR	131.84	84.10
tblVehicleTrips	SU_TR	5.95	6.27
tblVehicleTrips	WD_TR	127.15	84.10
tblVehicleTrips	WD_TR	8.17	6.27

2.0 Emissions Summary

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

2.1 Overall Construction (Maximum Daily Emission)**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	lb/day										lb/day					
2023	21.0276	18.6916	22.3066	0.0485	6.7439	0.7819	7.5201	3.4183	0.7398	4.1324	0.0000	4,728.869 9	4,728.869 9	0.9344	0.0000	4,746.346 6
Maximum	21.0276	18.6916	22.3066	0.0485	6.7439	0.7819	7.5201	3.4183	0.7398	4.1324	0.0000	4,728.869 9	4,728.869 9	0.9344	0.0000	4,746.346 6

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	lb/day										lb/day					
2023	21.0276	18.6916	22.3066	0.0485	2.7470	0.7819	3.5232	1.3641	0.7398	2.0782	0.0000	4,728.869 9	4,728.869 9	0.9344	0.0000	4,746.346 6
Maximum	21.0276	18.6916	22.3066	0.0485	2.7470	0.7819	3.5232	1.3641	0.7398	2.0782	0.0000	4,728.869 9	4,728.869 9	0.9344	0.0000	4,746.346 6

	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	59.27	0.00	53.15	60.09	0.00	49.71	0.00	0.00	0.00	0.00	0.00	0.00

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

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	lb/day										lb/day					
Area	5.1138	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303
Energy	0.1412	1.2837	1.0783	7.7000e-003		0.0976	0.0976		0.0976	0.0976		1,540.4424	1,540.4424	0.0295	0.0282	1,549.5964
Mobile	2.6416	16.0629	22.8370	0.0797	5.2489	0.0603	5.3092	1.4047	0.0564	1.4612		8,110.2250	8,110.2250	0.4426		8,121.2909
Total	7.8966	17.3467	23.9286	0.0874	5.2489	0.1579	5.4068	1.4047	0.1540	1.5588		9,650.6958	9,650.6958	0.4722	0.0282	9,670.9177

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	lb/day										lb/day					
Area	4.8190	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303
Energy	0.1412	1.2837	1.0783	7.7000e-003		0.0976	0.0976		0.0976	0.0976		1,540.4424	1,540.4424	0.0295	0.0282	1,549.5964
Mobile	2.6416	16.0629	22.8370	0.0797	5.2489	0.0603	5.3092	1.4047	0.0564	1.4612		8,110.2250	8,110.2250	0.4426		8,121.2909
Total	7.6018	17.3467	23.9286	0.0874	5.2489	0.1579	5.4068	1.4047	0.1540	1.5588		9,650.6958	9,650.6958	0.4722	0.0282	9,670.9177

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

	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	3.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2023	1/11/2023	5	8	
2	Building Construction	Building Construction	1/15/2023	12/1/2023	5	230	
3	Paving	Paving	12/2/2023	12/27/2023	5	18	
4	Architectural Coating	Architectural Coating	1/15/2023	12/1/2023	5	230	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 4****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 276,360; Non-Residential Outdoor: 92,120; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

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	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	77.00	30.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.2 Grading - 2023**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	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.691 0	2,872.691 0	0.9291		2,895.918 2
Total	1.7109	17.9359	14.7507	0.0297	6.5523	0.7749	7.3273	3.3675	0.7129	4.0804		2,872.691 0	2,872.691 0	0.9291		2,895.918 2

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	lb/day										lb/day					
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
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
Worker	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912
Total	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.2 Grading - 2023**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	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.5554	0.7749	3.3303	1.3133	0.7129	2.0263	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

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	lb/day										lb/day					
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
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
Worker	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912
Total	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.3 Building Construction - 2023**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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	lb/day										lb/day					
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
Vendor	0.1089	2.6247	0.7453	8.6300e-003	0.1840	3.6700e-003	0.1877	0.0530	3.5100e-003	0.0565		900.0865	900.0865	0.0421		901.1388
Worker	0.4938	0.3172	2.9345	8.3400e-003	0.9835	6.4300e-003	0.9900	0.2608	5.9200e-003	0.2667		830.3658	830.3658	0.0270		831.0415
Total	0.6028	2.9419	3.6798	0.0170	1.1675	0.0101	1.1776	0.3138	9.4300e-003	0.3233		1,730.4523	1,730.4523	0.0691		1,732.1803

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.3 Building Construction - 2023**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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	lb/day										lb/day					
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
Vendor	0.1089	2.6247	0.7453	8.6300e-003	0.1840	3.6700e-003	0.1877	0.0530	3.5100e-003	0.0565		900.0865	900.0865	0.0421		901.1388
Worker	0.4938	0.3172	2.9345	8.3400e-003	0.9835	6.4300e-003	0.9900	0.2608	5.9200e-003	0.2667		830.3658	830.3658	0.0270		831.0415
Total	0.6028	2.9419	3.6798	0.0170	1.1675	0.0101	1.1776	0.3138	9.4300e-003	0.3233		1,730.4523	1,730.4523	0.0691		1,732.1803

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.4 Paving - 2023**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	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.430 4	1,805.430 4	0.5673		1,819.612 2
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.430 4	1,805.430 4	0.5673		1,819.612 2

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	lb/day										lb/day					
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
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
Worker	0.1283	0.0824	0.7622	2.1700e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5400e-003	0.0693		215.6794	215.6794	7.0200e-003		215.8549
Total	0.1283	0.0824	0.7622	2.1700e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5400e-003	0.0693		215.6794	215.6794	7.0200e-003		215.8549

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.4 Paving - 2023**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	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.430 4	1,805.430 4	0.5673		1,819.612 2
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.430 4	1,805.430 4	0.5673		1,819.612 2

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	lb/day										lb/day					
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
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
Worker	0.1283	0.0824	0.7622	2.1700e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5400e-003	0.0693		215.6794	215.6794	7.0200e-003		215.8549
Total	0.1283	0.0824	0.7622	2.1700e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5400e-003	0.0693		215.6794	215.6794	7.0200e-003		215.8549

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.5 Architectural Coating - 2023**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	lb/day										lb/day					
Archit. Coating	18.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	18.7558	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	lb/day										lb/day					
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
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
Worker	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912
Total	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

3.5 Architectural Coating - 2023**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	lb/day										lb/day					
Archit. Coating	18.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	18.7558	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	lb/day										lb/day					
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
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
Worker	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912
Total	0.0962	0.0618	0.5717	1.6200e-003	0.1916	1.2500e-003	0.1929	0.0508	1.1500e-003	0.0520		161.7596	161.7596	5.2600e-003		161.8912

4.0 Operational Detail - Mobile

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

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	lb/day										lb/day					
Mitigated	2.6416	16.0629	22.8370	0.0797	5.2489	0.0603	5.3092	1.4047	0.0564	1.4612		8,110.2250	8,110.2250	0.4426		8,121.2909
Unmitigated	2.6416	16.0629	22.8370	0.0797	5.2489	0.0603	5.3092	1.4047	0.0564	1.4612		8,110.2250	8,110.2250	0.4426		8,121.2909

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	841.00	841.00	841.00	950,261	950,261
Hotel	752.40	752.40	752.40	1,511,699	1,511,699
Total	1,593.40	1,593.40	1,593.40	2,461,960	2,461,960

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
High Turnover (Sit Down Restaurant)	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4

4.4 Fleet Mix

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204
Hotel	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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	lb/day										lb/day					
NaturalGas Mitigated	0.1412	1.2837	1.0783	7.7000e-003		0.0976	0.0976		0.0976	0.0976		1,540.4424	1,540.4424	0.0295	0.0282	1,549.5964
NaturalGas Unmitigated	0.1412	1.2837	1.0783	7.7000e-003		0.0976	0.0976		0.0976	0.0976		1,540.4424	1,540.4424	0.0295	0.0282	1,549.5964

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

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	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	3183.56	0.0343	0.3121	0.2622	1.8700e-003		0.0237	0.0237		0.0237	0.0237		374.5367	374.5367	7.1800e-003	6.8700e-003	376.7624
Hotel	9910.2	0.1069	0.9716	0.8161	5.8300e-003		0.0738	0.0738		0.0738	0.0738		1,165.9057	1,165.9057	0.0224	0.0214	1,172.8341
Total		0.1412	1.2837	1.0783	7.7000e-003		0.0976	0.0976		0.0976	0.0976		1,540.4424	1,540.4424	0.0295	0.0282	1,549.5964

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	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	3.18356	0.0343	0.3121	0.2622	1.8700e-003		0.0237	0.0237		0.0237	0.0237		374.5367	374.5367	7.1800e-003	6.8700e-003	376.7624
Hotel	9.9102	0.1069	0.9716	0.8161	5.8300e-003		0.0738	0.0738		0.0738	0.0738		1,165.9057	1,165.9057	0.0224	0.0214	1,172.8341
Total		0.1412	1.2837	1.0783	7.7000e-003		0.0976	0.0976		0.0976	0.0976		1,540.4424	1,540.4424	0.0295	0.0282	1,549.5964

6.0 Area Detail**6.1 Mitigation Measures Area**

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

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	lb/day										lb/day					
Mitigated	4.8190	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303
Unmitigated	5.1138	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

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	lb/day										lb/day					
Architectural Coating	1.1698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9427					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2300e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303
Total	5.1138	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303

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	lb/day										lb/day					
Architectural Coating	1.1698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6480					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2300e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303
Total	4.8190	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0285	0.0285	7.0000e-005		0.0303

7.0 Water Detail

Tioga Work Force Hotel and Restaurant Cumulative Emissions - Mono County, Summer

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

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

Tioga Workforce Housing and Fueling Stations

Mono County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	100.00	Dwelling Unit	6.25	100,000.00	286
Convenience Market With Gas Pumps	4.00	Pump	0.01	564.70	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

Project Characteristics -

Land Use -

Construction Phase - Grading: 20 days, Construction: 230 days, Paving: Separate Run

Vehicle Trips - 319 housing trips, 516 gas station trips

Construction Off-road Equipment Mitigation -

Area Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	7.16	3.19
tblVehicleTrips	ST_TR	204.47	129.00
tblVehicleTrips	SU_TR	6.07	3.19
tblVehicleTrips	SU_TR	166.88	129.00
tblVehicleTrips	WD_TR	6.59	3.19
tblVehicleTrips	WD_TR	542.60	129.00

2.0 Emissions Summary

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

2.1 Overall Construction (Maximum Daily Emission)**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	lb/day										lb/day					
2022	16.0368	20.9021	21.0488	0.0396	6.6756	0.9417	7.6173	3.4002	0.8664	4.2666	0.0000	3,819.6366	3,819.6366	0.9329	0.0000	3,836.4919
Maximum	16.0368	20.9021	21.0488	0.0396	6.6756	0.9417	7.6173	3.4002	0.8664	4.2666	0.0000	3,819.6366	3,819.6366	0.9329	0.0000	3,836.4919

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	lb/day										lb/day					
2022	16.0368	20.9021	21.0488	0.0396	3.0718	0.9417	4.0135	1.5481	0.8664	2.4144	0.0000	3,819.6366	3,819.6366	0.9329	0.0000	3,836.4919
Maximum	16.0368	20.9021	21.0488	0.0396	3.0718	0.9417	4.0135	1.5481	0.8664	2.4144	0.0000	3,819.6366	3,819.6366	0.9329	0.0000	3,836.4919

	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	53.98	0.00	47.31	54.47	0.00	43.41	0.00	0.00	0.00	0.00	0.00	0.00

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

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	lb/day										lb/day					
Area	156.3010	3.0838	197.1630	0.3427		26.5328	26.5328		26.5328	26.5328	2,777.173 1	1,179.562 0	3,956.735 1	2.5772	0.2185	4,086.260 8
Energy	0.0320	0.2738	0.1170	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.4052	349.4052	6.7000e-003	6.4100e-003	351.4815
Mobile	1.3579	8.2266	11.4133	0.0394	2.5368	0.0296	2.5664	0.6789	0.0277	0.7066		4,005.482 9	4,005.482 9	0.2253		4,011.1140
Total	157.6909	11.5842	208.6932	0.3838	2.5368	26.5845	29.1213	0.6789	26.5826	27.2615	2,777.173 1	5,534.450 0	8,311.623 1	2.8091	0.2249	8,448.856 3

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	lb/day										lb/day					
Area	3.2753	1.5881	8.8877	9.9700e-003		0.1664	0.1664		0.1664	0.1664	0.0000	1,920.738 5	1,920.738 5	0.0508	0.0349	1,932.421 4
Energy	0.0282	0.2411	0.1030	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.7039	307.7039	5.9000e-003	5.6400e-003	309.5324
Mobile	1.3579	8.2266	11.4133	0.0394	2.5368	0.0296	2.5664	0.6789	0.0277	0.7066		4,005.482 9	4,005.482 9	0.2253		4,011.1140
Total	4.6614	10.0558	20.4039	0.0509	2.5368	0.2155	2.7522	0.6789	0.2136	0.8925	0.0000	6,233.925 2	6,233.925 2	0.2820	0.0406	6,253.067 8

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

	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	97.04	13.19	90.22	86.75	0.00	99.19	90.55	0.00	99.20	96.73	100.00	-12.64	25.00	89.96	81.95	25.99

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	1/28/2022	5	20	
2	Building Construction	Building Construction	1/29/2022	12/16/2022	5	230	
3	Architectural Coating	Architectural Coating	1/29/2022	12/16/2022	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 202,500; Residential Outdoor: 67,500; Non-Residential Indoor: 847; Non-Residential Outdoor: 282; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
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
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	72.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

3.2 Grading - 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	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.046 4	2,872.046 4	0.9289		2,895.268 4

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	lb/day										lb/day					
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
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
Worker	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427
Total	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

3.2 Grading - 2022**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	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	2.9486	0.9409	3.8894	1.5154	0.8656	2.3810	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

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	lb/day										lb/day					
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
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
Worker	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427
Total	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	lb/day										lb/day					
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
Vendor	0.0514	1.1920	0.3256	3.4300e-003	0.0746	2.8800e-003	0.0775	0.0215	2.7600e-003	0.0242		358.1045	358.1045	0.0210		358.6288
Worker	0.3475	0.2256	2.1317	5.2600e-003	0.5915	4.1800e-003	0.5956	0.1569	3.8500e-003	0.1607		523.8841	523.8841	0.0192		524.3649
Total	0.3989	1.4175	2.4573	8.6900e-003	0.6661	7.0600e-003	0.6731	0.1784	6.6100e-003	0.1850		881.9887	881.9887	0.0402		882.9937

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

3.3 Building Construction - 2022**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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	lb/day										lb/day					
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
Vendor	0.0514	1.1920	0.3256	3.4300e-003	0.0746	2.8800e-003	0.0775	0.0215	2.7600e-003	0.0242		358.1045	358.1045	0.0210		358.6288
Worker	0.3475	0.2256	2.1317	5.2600e-003	0.5915	4.1800e-003	0.5956	0.1569	3.8500e-003	0.1607		523.8841	523.8841	0.0192		524.3649
Total	0.3989	1.4175	2.4573	8.6900e-003	0.6661	7.0600e-003	0.6731	0.1784	6.6100e-003	0.1850		881.9887	881.9887	0.0402		882.9937

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

3.4 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	13.6596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	13.8641	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
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
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
Worker	0.0676	0.0439	0.4145	1.0200e-003	0.1150	8.1000e-004	0.1158	0.0305	7.5000e-004	0.0313		101.8664	101.8664	3.7400e-003		101.9599
Total	0.0676	0.0439	0.4145	1.0200e-003	0.1150	8.1000e-004	0.1158	0.0305	7.5000e-004	0.0313		101.8664	101.8664	3.7400e-003		101.9599

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

3.4 Architectural Coating - 2022**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	lb/day										lb/day					
Archit. Coating	13.6596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	13.8641	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
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
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
Worker	0.0676	0.0439	0.4145	1.0200e-003	0.1150	8.1000e-004	0.1158	0.0305	7.5000e-004	0.0313		101.8664	101.8664	3.7400e-003		101.9599
Total	0.0676	0.0439	0.4145	1.0200e-003	0.1150	8.1000e-004	0.1158	0.0305	7.5000e-004	0.0313		101.8664	101.8664	3.7400e-003		101.9599

4.0 Operational Detail - Mobile

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

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	lb/day										lb/day					
Mitigated	1.3579	8.2266	11.4133	0.0394	2.5368	0.0296	2.5664	0.6789	0.0277	0.7066		4,005.4829	4,005.4829	0.2253		4,011.1140
Unmitigated	1.3579	8.2266	11.4133	0.0394	2.5368	0.0296	2.5664	0.6789	0.0277	0.7066		4,005.4829	4,005.4829	0.2253		4,011.1140

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	319.00	319.00	319.00	913,057	913,057
Convenience Market With Gas Pumps	516.00	516.00	516.00	276,785	276,785
Total	835.00	835.00	835.00	1,189,842	1,189,842

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
Apartments Low Rise	10.80	7.30	7.50	42.30	19.60	38.10	86	11	3
Convenience Market With Gas	9.50	7.30	7.30	0.80	80.20	19.00	14	21	65

4.4 Fleet Mix

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204
Convenience Market With Gas Pumps	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2411	0.1030	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.7039	307.7039	5.9000e-003	5.6400e-003	309.5324
NaturalGas Unmitigated	0.0320	0.2738	0.1170	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.4052	349.4052	6.7000e-003	6.4100e-003	351.4815

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

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	lb/day										lb/day					
Apartments Low Rise	2958.79	0.0319	0.2727	0.1160	1.7400e-003		0.0221	0.0221		0.0221	0.0221		348.0928	348.0928	6.6700e-003	6.3800e-003	350.1614
Convenience Market With Gas Pumps	11.1548	1.2000e-004	1.0900e-003	9.2000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		1.3123	1.3123	3.0000e-005	2.0000e-005	1.3201
Total		0.0320	0.2738	0.1170	1.7500e-003		0.0221	0.0221		0.0221	0.0221		349.4052	349.4052	6.7000e-003	6.4000e-003	351.4815

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	lb/day										lb/day					
Apartments Low Rise	2.60589	0.0281	0.2402	0.1022	1.5300e-003		0.0194	0.0194		0.0194	0.0194		306.5753	306.5753	5.8800e-003	5.6200e-003	308.3971
Convenience Market With Gas Pumps	0.00959309	1.0000e-004	9.4000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1286	1.1286	2.0000e-005	2.0000e-005	1.1353
Total		0.0282	0.2411	0.1030	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.7039	307.7039	5.9000e-003	5.6400e-003	309.5324

6.0 Area Detail**6.1 Mitigation Measures Area**

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

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	lb/day										lb/day					
Mitigated	3.2753	1.5881	8.8877	9.9700e-003		0.1664	0.1664		0.1664	0.1664	0.0000	1,920.7385	1,920.7385	0.0508	0.0349	1,932.4214
Unmitigated	156.3010	3.0838	197.1630	0.3427		26.5328	26.5328		26.5328	26.5328	2,777.1731	1,179.5620	3,956.7351	2.5772	0.2185	4,086.2608

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

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	lb/day										lb/day					
Architectural Coating	0.8607					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1521					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.0395	2.9887	188.9106	0.3423		26.4871	26.4871		26.4871	26.4871	2,777.173 1	1,164.705 9	3,941.879 0	2.5629	0.2185	4,071.047 5
Landscaping	0.2486	0.0951	8.2524	4.4000e-004		0.0457	0.0457		0.0457	0.0457		14.8561	14.8561	0.0143		15.2133
Total	156.3010	3.0838	197.1630	0.3427		26.5328	26.5328		26.5328	26.5328	2,777.173 1	1,179.562 0	3,956.735 1	2.5772	0.2185	4,086.260 8

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

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	lb/day										lb/day					
Architectural Coating	0.8607					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9912					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1747	1.4929	0.6353	9.5300e-003		0.1207	0.1207		0.1207	0.1207	0.0000	1,905.8824	1,905.8824	0.0365	0.0349	1,917.2081
Landscaping	0.2486	0.0951	8.2524	4.4000e-004		0.0457	0.0457		0.0457	0.0457		14.8561	14.8561	0.0143		15.2133
Total	3.2753	1.5881	8.8877	9.9700e-003		0.1664	0.1664		0.1664	0.1664	0.0000	1,920.7385	1,920.7385	0.0508	0.0349	1,932.4214

7.0 Water Detail**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

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Tioga Workforce Housing and Fueling Stations - Mono County, Summer

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Workforce Septic - Mono County, Summer

Tioga Workforce Septic

Mono County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.10	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Septic System

Construction Phase - Excavate: 2 weeks, Install: 1 week

Off-road Equipment - Excavate: 1 bobcat, 1 loader/backhoe

Off-road Equipment - Install: 1 crane, 1 loader/backhoe 1 welder, 1 forklift

Tioga Workforce Septic - Mono County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	PhaseEndDate	7/7/2022	3/16/2022
tblConstructionPhase	PhaseEndDate	2/17/2022	3/1/2022
tblConstructionPhase	PhaseStartDate	2/18/2022	3/10/2022
tblLandUse	LotAcreage	0.00	0.10
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading

2.0 Emissions Summary

Tioga Workforce Septic - Mono County, Summer

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	0.6440	5.6561	5.3213	9.0600e-003	0.8349	0.2773	0.9289	0.4356	0.2590	0.5220	0.0000	847.2855	847.2855	0.2423	0.0000	853.3436
Maximum	0.6440	5.6561	5.3213	9.0600e-003	0.8349	0.2773	0.9289	0.4356	0.2590	0.5220	0.0000	847.2855	847.2855	0.2423	0.0000	853.3436

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	lb/day										lb/day					
2022	0.6440	4.5590	5.3213	9.0600e-003	0.8349	0.2773	0.9289	0.4356	0.2590	0.5220	0.0000	847.2855	847.2855	0.2423	0.0000	853.3436
Maximum	0.6440	4.5590	5.3213	9.0600e-003	0.8349	0.2773	0.9289	0.4356	0.2590	0.5220	0.0000	847.2855	847.2855	0.2423	0.0000	853.3436

[illegible]

Tioga Workforce Septic - Mono County, Summer

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	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

Tioga Workforce Septic - Mono County, Summer

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	2/16/2022	3/1/2022	5	10	
2	Building Construction	Building Construction	3/10/2022	3/16/2022	5	5	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Skid Steer Loaders	1	6.00	65	0.37
Building Construction	Welders	1	6.00	46	0.45
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Trips and VMT

Tioga Workforce Septic - Mono County, Summer

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
Building Construction	5	0.00	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

3.1 Mitigation Measures Construction**3.2 Grading - 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	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1755	1.9504	2.7146	3.8800e-003		0.0934	0.0934		0.0859	0.0859		375.6134	375.6134	0.1215		378.6504
Total	0.1755	1.9504	2.7146	3.8800e-003	0.7528	0.0934	0.8461	0.4138	0.0859	0.4997		375.6134	375.6134	0.1215		378.6504

Tioga Workforce Septic - Mono County, Summer

3.2 Grading - 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	lb/day										lb/day					
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
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
Worker	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285
Total	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285

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	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1755	1.2567	2.7146	3.8800e-003		0.0934	0.0934		0.0859	0.0859	0.0000	375.6134	375.6134	0.1215		378.6504
Total	0.1755	1.2567	2.7146	3.8800e-003	0.7528	0.0934	0.8461	0.4138	0.0859	0.4997	0.0000	375.6134	375.6134	0.1215		378.6504

Tioga Workforce Septic - Mono County, Summer

3.2 Grading - 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	lb/day										lb/day					
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
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
Worker	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285
Total	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285

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	lb/day										lb/day					
Off-Road	0.6440	5.6561	5.3213	9.0600e-003		0.2773	0.2773		0.2590	0.2590		847.2855	847.2855	0.2423		853.3436
Total	0.6440	5.6561	5.3213	9.0600e-003		0.2773	0.2773		0.2590	0.2590		847.2855	847.2855	0.2423		853.3436

Tioga Workforce Septic - Mono County, Summer

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	lb/day										lb/day					
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
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
Worker	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	lb/day										lb/day					
Off-Road	0.6440	4.5590	5.3213	9.0600e-003		0.2773	0.2773		0.2590	0.2590	0.0000	847.2855	847.2855	0.2423		853.3436
Total	0.6440	4.5590	5.3213	9.0600e-003		0.2773	0.2773		0.2590	0.2590	0.0000	847.2855	847.2855	0.2423		853.3436

Tioga Workforce Septic - Mono County, Summer

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	lb/day										lb/day					
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
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
Worker	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Tioga Workforce Septic - Mono County, Summer

	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	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

5.0 Energy Detail

Historical Energy Use: N

Tioga Workforce Septic - Mono County, Summer

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	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	lb/day										lb/day					
User Defined Industrial	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Tioga Workforce Septic - Mono County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Tioga Workforce Septic - Mono County, Summer

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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

Tioga Workforce Septic - Mono County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

Tioga Workforce Propane Tank and Water Storage

Mono County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.10	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Propane or Water Storage Tank

Construction Phase - Excavate: 1 week, Concrete Pad: 1 week, Install: 1 week

Off-road Equipment - Excavate: 1 bobcat, 1 loader/backhoe

Off-road Equipment - Concrete Pad, 1 mixer, 1 pump, 1 roller,

Off-road Equipment - Install: 1 crane, 1 forklift, 1 welder

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	PhaseEndDate	6/8/2022	2/25/2022
tblConstructionPhase	PhaseEndDate	1/19/2022	1/24/2022
tblConstructionPhase	PhaseEndDate	6/15/2022	2/7/2022
tblConstructionPhase	PhaseStartDate	1/20/2022	2/20/2022
tblConstructionPhase	PhaseStartDate	6/9/2022	2/1/2022
tblLandUse	LotAcreage	0.00	0.10
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Building Construction
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

2.0 Emissions Summary

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	0.4921	4.0380	4.8949	8.3400e-003	0.7938	0.2150	0.8876	0.4247	0.2080	0.5109	0.0000	785.7134	785.7134	0.1449	0.0000	788.2590
Maximum	0.4921	4.0380	4.8949	8.3400e-003	0.7938	0.2150	0.8876	0.4247	0.2080	0.5109	0.0000	785.7134	785.7134	0.1449	0.0000	788.2590

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	lb/day										lb/day					
2022	0.4921	4.0380	4.8949	8.3400e-003	0.7938	0.2150	0.8876	0.4247	0.2080	0.5109	0.0000	785.7134	785.7134	0.1449	0.0000	788.2590
Maximum	0.4921	4.0380	4.8949	8.3400e-003	0.7938	0.2150	0.8876	0.4247	0.2080	0.5109	0.0000	785.7134	785.7134	0.1449	0.0000	788.2590

[illegible]

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/18/2022	1/24/2022	5	5	
2	Building Construction	Building Construction	2/20/2022	2/25/2022	5	5	
3	Paving	Paving	2/1/2022	2/7/2022	5	5	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Skid Steer Loaders	1	6.00	65	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pumps	1	6.00	84	0.74
Building Construction	Welders	1	6.00	46	0.45
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Grading	Tractors/Loaders/Backhoes	1	6.00	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
Building Construction	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

3.2 Grading - 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	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1757	1.9532	2.7189	3.8900e-003		0.0935	0.0935		0.0860	0.0860		376.2227	376.2227	0.1217		379.2646
Total	0.1757	1.9532	2.7189	3.8900e-003	0.7528	0.0935	0.8462	0.4138	0.0860	0.4998		376.2227	376.2227	0.1217		379.2646

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	lb/day										lb/day					
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
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
Worker	0.0241	0.0157	0.1480	3.7000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		36.3808	36.3808	1.3400e-003		36.4142
Total	0.0241	0.0157	0.1480	3.7000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		36.3808	36.3808	1.3400e-003		36.4142

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

3.2 Grading - 2022**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	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1757	1.9532	2.7189	3.8900e-003		0.0935	0.0935		0.0860	0.0860	0.0000	376.2227	376.2227	0.1217		379.2646
Total	0.1757	1.9532	2.7189	3.8900e-003	0.7528	0.0935	0.8462	0.4138	0.0860	0.4998	0.0000	376.2227	376.2227	0.1217		379.2646

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	lb/day										lb/day					
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
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
Worker	0.0241	0.0157	0.1480	3.7000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		36.3808	36.3808	1.3400e-003		36.4142
Total	0.0241	0.0157	0.1480	3.7000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		36.3808	36.3808	1.3400e-003		36.4142

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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	lb/day										lb/day					
Off-Road	0.4792	3.9805	3.0834	5.9500e-003		0.1872	0.1872		0.1761	0.1761		546.0466	546.0466	0.1449		549.6690
Total	0.4792	3.9805	3.0834	5.9500e-003		0.1872	0.1872		0.1761	0.1761		546.0466	546.0466	0.1449		549.6690

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	lb/day										lb/day					
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
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
Worker	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

3.3 Building Construction - 2022**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	lb/day										lb/day					
Off-Road	0.4792	3.9805	3.0834	5.9500e-003		0.1872	0.1872		0.1761	0.1761	0.0000	546.0466	546.0466	0.1449		549.6690
Total	0.4792	3.9805	3.0834	5.9500e-003		0.1872	0.1872		0.1761	0.1761	0.0000	546.0466	546.0466	0.1449		549.6690

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	lb/day										lb/day					
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
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
Worker	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

3.4 Paving - 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	lb/day										lb/day					
Off-Road	0.4535	4.0129	4.6580	7.7600e-003		0.2145	0.2145		0.2076	0.2076		727.5040	727.5040	0.0997		729.9962
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4535	4.0129	4.6580	7.7600e-003		0.2145	0.2145		0.2076	0.2076		727.5040	727.5040	0.0997		729.9962

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	lb/day										lb/day					
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
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
Worker	0.0386	0.0251	0.2369	5.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.3000e-004	0.0179		58.2094	58.2094	2.1400e-003		58.2628
Total	0.0386	0.0251	0.2369	5.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.3000e-004	0.0179		58.2094	58.2094	2.1400e-003		58.2628

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

3.4 Paving - 2022**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	lb/day										lb/day					
Off-Road	0.4535	4.0129	4.6580	7.7600e-003		0.2145	0.2145		0.2076	0.2076	0.0000	727.5040	727.5040	0.0997		729.9962
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4535	4.0129	4.6580	7.7600e-003		0.2145	0.2145		0.2076	0.2076	0.0000	727.5040	727.5040	0.0997		729.9962

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	lb/day										lb/day					
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
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
Worker	0.0386	0.0251	0.2369	5.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.3000e-004	0.0179		58.2094	58.2094	2.1400e-003		58.2628
Total	0.0386	0.0251	0.2369	5.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.3000e-004	0.0179		58.2094	58.2094	2.1400e-003		58.2628

4.0 Operational Detail - Mobile

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.523641	0.038063	0.196890	0.123669	0.027642	0.006698	0.008481	0.059043	0.006730	0.001326	0.005527	0.000980	0.001310

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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	lb/day										lb/day					
User Defined Industrial	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	lb/day										lb/day					
User Defined Industrial	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

	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	lb/day										lb/day					
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****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**

Tioga Inn Propane Tank and Water Storage - Mono County, Summer

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Inn Roadway and Parking - Mono County, Annual

Tioga Workforce Roadway and Parking

Mono County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00		2.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 - 2 acres of roadways and parking

Construction Phase - 10 days demo, 20 days grade, 40 days pave

Off-road Equipment - demo: 1 concrete saw, 1 dozer, 1 loader/backhoe

Off-road Equipment - grading: 1 grader, 1 dozer, 1 loader/backhoe

Off-road Equipment - paving: 1 mixer, 1 paver, 1 paving equipment, 1 roller, 1 loader/backhoe

Construction Off-road Equipment Mitigation -

Tioga Inn Roadway and Parking - Mono County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	1/28/2022	1/14/2022
tblConstructionPhase	PhaseEndDate	2/7/2022	3/1/2022
tblConstructionPhase	PhaseEndDate	11/28/2022	5/26/2022
tblConstructionPhase	PhaseStartDate	11/15/2022	4/1/2022
tblGrading	AcresOfGrading	10.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	WorkerTripNumber	8.00	13.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00

2.0 Emissions Summary

Tioga Inn Roadway and Parking - Mono 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					
2022	0.0413	0.3754	0.3321	6.1000e-004	0.0650	0.0177	0.0827	0.0342	0.0164	0.0506	0.0000	52.9850	52.9850	0.0153	0.0000	53.3685
Maximum	0.0413	0.3754	0.3321	6.1000e-004	0.0650	0.0177	0.0827	0.0342	0.0164	0.0506	0.0000	52.9850	52.9850	0.0153	0.0000	53.3685

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					
2022	0.0413	0.3754	0.3321	6.1000e-004	0.0313	0.0177	0.0490	0.0159	0.0164	0.0323	0.0000	52.9849	52.9849	0.0153	0.0000	53.3684
Maximum	0.0413	0.3754	0.3321	6.1000e-004	0.0313	0.0177	0.0490	0.0159	0.0164	0.0323	0.0000	52.9849	52.9849	0.0153	0.0000	53.3684

	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	51.88	0.00	40.76	53.42	0.00	36.12	0.00	0.00	0.00	0.00	0.00	0.00

Tioga Inn Roadway and Parking - Mono County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.2394	0.2394
2	4-3-2022	7-2-2022	0.1665	0.1665
		Highest	0.2394	0.2394

Tioga Inn Roadway and Parking - Mono 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Tioga Inn Roadway and Parking - Mono 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/14/2022	5	10	
2	Grading	Grading	2/2/2022	3/1/2022	5	20	
3	Paving	Paving	4/1/2022	5/26/2022	5	40	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 2****Acres of Paving: 2****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Tioga Inn Roadway and Parking - Mono County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Tioga Inn Roadway and Parking - Mono County, Annual

3.2 Demolition - 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	6.8000e-003	0.0664	0.0474	9.0000e-005		3.2900e-003	3.2900e-003		3.0900e-003	3.0900e-003	0.0000	7.8061	7.8061	1.8000e-003	0.0000	7.8511
Total	6.8000e-003	0.0664	0.0474	9.0000e-005		3.2900e-003	3.2900e-003		3.0900e-003	3.0900e-003	0.0000	7.8061	7.8061	1.8000e-003	0.0000	7.8511

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	3.3000e-004	2.4000e-004	2.1400e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4274	0.4274	2.0000e-005	0.0000	0.4278
Total	3.3000e-004	2.4000e-004	2.1400e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4274	0.4274	2.0000e-005	0.0000	0.4278

Tioga Inn Roadway and Parking - Mono County, Annual

3.2 Demolition - 2022**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	6.8000e-003	0.0664	0.0474	9.0000e-005		3.2900e-003	3.2900e-003		3.0900e-003	3.0900e-003	0.0000	7.8060	7.8060	1.8000e-003	0.0000	7.8511
Total	6.8000e-003	0.0664	0.0474	9.0000e-005		3.2900e-003	3.2900e-003		3.0900e-003	3.0900e-003	0.0000	7.8060	7.8060	1.8000e-003	0.0000	7.8511

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	3.3000e-004	2.4000e-004	2.1400e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4274	0.4274	2.0000e-005	0.0000	0.4278
Total	3.3000e-004	2.4000e-004	2.1400e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4274	0.4274	2.0000e-005	0.0000	0.4278

Tioga Inn Roadway and Parking - Mono County, Annual

3.3 Grading - 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					
Fugitive Dust					0.0613	0.0000	0.0613	0.0332	0.0000	0.0332	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.1552	0.0726	1.8000e-004		6.6300e-003	6.6300e-003		6.1000e-003	6.1000e-003	0.0000	15.7115	15.7115	5.0800e-003	0.0000	15.8386
Total	0.0140	0.1552	0.0726	1.8000e-004	0.0613	6.6300e-003	0.0679	0.0332	6.1000e-003	0.0393	0.0000	15.7115	15.7115	5.0800e-003	0.0000	15.8386

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	5.2000e-004	3.8000e-004	3.2900e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6576	0.6576	2.0000e-005	0.0000	0.6582
Total	5.2000e-004	3.8000e-004	3.2900e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6576	0.6576	2.0000e-005	0.0000	0.6582

Tioga Inn Roadway and Parking - Mono County, Annual

3.3 Grading - 2022**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					0.0276	0.0000	0.0276	0.0150	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.1552	0.0726	1.8000e-004		6.6300e-003	6.6300e-003		6.1000e-003	6.1000e-003	0.0000	15.7115	15.7115	5.0800e-003	0.0000	15.8385
Total	0.0140	0.1552	0.0726	1.8000e-004	0.0276	6.6300e-003	0.0342	0.0150	6.1000e-003	0.0211	0.0000	15.7115	15.7115	5.0800e-003	0.0000	15.8385

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.8000e-004	3.2900e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6576	0.6576	2.0000e-005	0.0000	0.6582
Total	5.2000e-004	3.8000e-004	3.2900e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.6576	0.6576	2.0000e-005	0.0000	0.6582

Tioga Inn Roadway and Parking - Mono County, Annual

3.4 Paving - 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	0.0155	0.1521	0.1967	3.0000e-004		7.7700e-003	7.7700e-003		7.1700e-003	7.1700e-003	0.0000	26.4097	26.4097	8.3400e-003	0.0000	26.6182
Paving	2.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0181	0.1521	0.1967	3.0000e-004		7.7700e-003	7.7700e-003		7.1700e-003	7.1700e-003	0.0000	26.4097	26.4097	8.3400e-003	0.0000	26.6182

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	1.5500e-003	1.1300e-003	9.8700e-003	2.0000e-005	2.3900e-003	2.0000e-005	2.4000e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.9727	1.9727	7.0000e-005	0.0000	1.9746
Total	1.5500e-003	1.1300e-003	9.8700e-003	2.0000e-005	2.3900e-003	2.0000e-005	2.4000e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.9727	1.9727	7.0000e-005	0.0000	1.9746

Tioga Inn Roadway and Parking - Mono County, Annual

3.4 Paving - 2022**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	0.0155	0.1521	0.1967	3.0000e-004		7.7700e-003	7.7700e-003		7.1700e-003	7.1700e-003	0.0000	26.4097	26.4097	8.3400e-003	0.0000	26.6182
Paving	2.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0181	0.1521	0.1967	3.0000e-004		7.7700e-003	7.7700e-003		7.1700e-003	7.1700e-003	0.0000	26.4097	26.4097	8.3400e-003	0.0000	26.6182

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	1.5500e-003	1.1300e-003	9.8700e-003	2.0000e-005	2.3900e-003	2.0000e-005	2.4000e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.9727	1.9727	7.0000e-005	0.0000	1.9746
Total	1.5500e-003	1.1300e-003	9.8700e-003	2.0000e-005	2.3900e-003	2.0000e-005	2.4000e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.9727	1.9727	7.0000e-005	0.0000	1.9746

4.0 Operational Detail - Mobile

Tioga Inn Roadway and Parking - Mono County, Annual

4.1 Mitigation Measures Mobile**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Tioga Inn Roadway and Parking - Mono County, Annual

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Tioga Inn Roadway and Parking - Mono County, Annual

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other 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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Tioga Inn Roadway and Parking - Mono County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Tioga Inn Roadway and Parking - Mono 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

Tioga Inn Roadway and Parking - Mono County, Annual

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Tioga Inn Roadway and Parking - Mono County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Tioga Inn Roadway and Parking - Mono County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation

Tioga Inn Roadway and Parking - Mono County, Summer

Tioga Workforce Roadway and Parking

Mono County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00		2.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 - 2 acres of roadways and parking

Construction Phase - 10 days demo, 20 days grade, 40 days pave

Off-road Equipment - demo: 1 concrete saw, 1 dozer, 1 loader/backhoe

Off-road Equipment - grading: 1 grader, 1 dozer, 1 loader/backhoe

Off-road Equipment - paving: 1 mixer, 1 paver, 1 paving equipment, 1 roller, 1 loader/backhoe

Construction Off-road Equipment Mitigation -

Tioga Inn Roadway and Parking - Mono County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	1/28/2022	1/14/2022
tblConstructionPhase	PhaseEndDate	2/7/2022	3/1/2022
tblConstructionPhase	PhaseEndDate	11/28/2022	5/26/2022
tblConstructionPhase	PhaseStartDate	11/15/2022	4/1/2022
tblGrading	AcresOfGrading	10.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	WorkerTripNumber	8.00	13.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00

2.0 Emissions Summary

Tioga Inn Roadway and Parking - Mono County, Summer

2.1 Overall Construction (Maximum Daily Emission)**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	lb/day										lb/day					
2022	1.4445	15.5488	10.2807	0.0189	6.2103	0.6640	6.8743	3.3435	0.6178	3.9544	0.0000	1,815.529 1	1,815.529 1	0.5628	0.0000	1,825.546 8
Maximum	1.4445	15.5488	10.2807	0.0189	6.2103	0.6640	6.8743	3.3435	0.6178	3.9544	0.0000	1,815.529 1	1,815.529 1	0.5628	0.0000	1,825.546 8

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	lb/day										lb/day					
2022	1.4445	15.5488	10.2807	0.0189	2.8398	0.6640	3.5038	1.5166	0.6178	2.1274	0.0000	1,815.529 1	1,815.529 1	0.5628	0.0000	1,825.546 8
Maximum	1.4445	15.5488	10.2807	0.0189	2.8398	0.6640	3.5038	1.5166	0.6178	2.1274	0.0000	1,815.529 1	1,815.529 1	0.5628	0.0000	1,825.546 8

	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	54.27	0.00	49.03	54.64	0.00	46.20	0.00	0.00	0.00	0.00	0.00	0.00

Tioga Inn Roadway and Parking - Mono County, Summer

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	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

[illegible]

Tioga Inn Roadway and Parking - Mono County, Summer

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/14/2022	5	10	
2	Grading	Grading	2/2/2022	3/1/2022	5	20	
3	Paving	Paving	4/1/2022	5/26/2022	5	40	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 2****Acres of Paving: 2****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Tioga Inn Roadway and Parking - Mono County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Tioga Inn Roadway and Parking - Mono County, Summer

3.2 Demolition - 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	lb/day										lb/day					
Off-Road	1.3595	13.2705	9.4846	0.0179		0.6577	0.6577		0.6171	0.6171		1,720.9389	1,720.9389	0.3972		1,730.8698
Total	1.3595	13.2705	9.4846	0.0179		0.6577	0.6577		0.6171	0.6171		1,720.9389	1,720.9389	0.3972		1,730.8698

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	lb/day										lb/day					
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
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
Worker	0.0627	0.0407	0.3849	9.5000e-004	0.1068	7.5000e-004	0.1076	0.0283	7.0000e-004	0.0290		94.5902	94.5902	3.4700e-003		94.6770
Total	0.0627	0.0407	0.3849	9.5000e-004	0.1068	7.5000e-004	0.1076	0.0283	7.0000e-004	0.0290		94.5902	94.5902	3.4700e-003		94.6770

Tioga Inn Roadway and Parking - Mono County, Summer

3.2 Demolition - 2022**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	lb/day										lb/day					
Off-Road	1.3595	13.2705	9.4846	0.0179		0.6577	0.6577		0.6171	0.6171	0.0000	1,720.9389	1,720.9389	0.3972		1,730.8698
Total	1.3595	13.2705	9.4846	0.0179		0.6577	0.6577		0.6171	0.6171	0.0000	1,720.9389	1,720.9389	0.3972		1,730.8698

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	lb/day										lb/day					
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
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
Worker	0.0627	0.0407	0.3849	9.5000e-004	0.1068	7.5000e-004	0.1076	0.0283	7.0000e-004	0.0290		94.5902	94.5902	3.4700e-003		94.6770
Total	0.0627	0.0407	0.3849	9.5000e-004	0.1068	7.5000e-004	0.1076	0.0283	7.0000e-004	0.0290		94.5902	94.5902	3.4700e-003		94.6770

Tioga Inn Roadway and Parking - Mono County, Summer

3.3 Grading - 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	lb/day										lb/day					
Fugitive Dust					6.1281	0.0000	6.1281	3.3217	0.0000	3.3217			0.0000			0.0000
Off-Road	1.3962	15.5174	7.2620	0.0179		0.6634	0.6634		0.6104	0.6104		1,731.898 4	1,731.898 4	0.5601		1,745.901 7
Total	1.3962	15.5174	7.2620	0.0179	6.1281	0.6634	6.7916	3.3217	0.6104	3.9320		1,731.898 4	1,731.898 4	0.5601		1,745.901 7

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	lb/day										lb/day					
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
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
Worker	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285
Total	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285

Tioga Inn Roadway and Parking - Mono County, Summer

3.3 Grading - 2022**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	lb/day										lb/day					
Fugitive Dust					2.7577	0.0000	2.7577	1.4948	0.0000	1.4948			0.0000			0.0000
Off-Road	1.3962	15.5174	7.2620	0.0179		0.6634	0.6634		0.6104	0.6104	0.0000	1,731.898 4	1,731.898 4	0.5601		1,745.901 6
Total	1.3962	15.5174	7.2620	0.0179	2.7577	0.6634	3.4211	1.4948	0.6104	2.1051	0.0000	1,731.898 4	1,731.898 4	0.5601		1,745.901 6

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	lb/day										lb/day					
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
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
Worker	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285
Total	0.0483	0.0313	0.2961	7.3000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		72.7617	72.7617	2.6700e-003		72.8285

Tioga Inn Roadway and Parking - Mono County, Summer

3.4 Paving - 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	lb/day										lb/day					
Off-Road	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585		1,455.585 4	1,455.585 4	0.4597		1,467.077 2
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9059	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585		1,455.585 4	1,455.585 4	0.4597		1,467.077 2

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	lb/day										lb/day					
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
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
Worker	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427
Total	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427

Tioga Inn Roadway and Parking - Mono County, Summer

3.4 Paving - 2022**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	lb/day										lb/day					
Off-Road	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585	0.0000	1,455.585 4	1,455.585 4	0.4597		1,467.077 2
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9059	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585	0.0000	1,455.585 4	1,455.585 4	0.4597		1,467.077 2

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	lb/day										lb/day					
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
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
Worker	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427
Total	0.0724	0.0470	0.4441	1.1000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		109.1425	109.1425	4.0100e-003		109.2427

4.0 Operational Detail - Mobile

Tioga Inn Roadway and Parking - Mono County, Summer

4.1 Mitigation Measures Mobile**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.530267	0.037148	0.196347	0.120186	0.025624	0.006375	0.008580	0.059610	0.006951	0.001307	0.005436	0.000965	0.001204

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Tioga Inn Roadway and Parking - Mono County, Summer

	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	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	lb/day										lb/day					
Other 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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Tioga Inn Roadway and Parking - Mono County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other 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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Tioga Inn Roadway and Parking - Mono County, Summer

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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

Tioga Inn Roadway and Parking - Mono County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

11.0 Vegetation
