

**APPENDIX 3.5: GREENHOUSE GAS EMISSIONS
CALEEMOD RUNS**

Yreka Greenway Master Plan - Central Reach
Siskiyou County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	4.40	Acre	4.40	191,664.00	0
Mobile Home Park	2.00	Dwelling Unit	0.25	2,400.00	6
Single Family Housing	5.00	Dwelling Unit	1.62	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	85
Climate Zone	14			Operational Year	2019
Utility Company	PacifiCorp				
CO2 Intensity (lb/MWhr)	1656.39	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	230.00	7.00
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	12/25/2018	7/4/2018
tblConstructionPhase	PhaseStartDate	12/15/2018	6/26/2018
tblGrading	MaterialExported	0.00	89,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	32.00	0.00
tblTripsAndVMT	WorkerTripNumber	84.00	15.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4738	6.5600e-003	0.5934	2.1000e-004		0.0763	0.0763		0.0763	0.0763	7.2307	3.1174	10.3481	6.7600e-003	5.7000e-004	10.6663
Energy	5.3000e-004	4.5700e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	39.8012	39.8012	7.1000e-004	2.2000e-004	39.8848
Mobile	0.1139	0.3586	1.4236	1.8400e-003	0.0809	5.5300e-003	0.0865	0.0219	5.0900e-003	0.0270	0.0000	144.9371	144.9371	4.8400e-003	0.0000	145.0386
Waste						0.0000	0.0000		0.0000	0.0000	0.8972	0.0000	0.8972	0.0530	0.0000	2.0107
Water						0.0000	0.0000		0.0000	0.0000	0.1447	2.6103	2.7549	0.0149	3.6000e-004	3.1797
Total	1.5882	0.3698	2.0188	2.0800e-003	0.0809	0.0822	0.1632	0.0219	0.0818	0.1037	8.2726	190.4659	198.7385	0.0802	1.1500e-003	200.7802

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4738	6.5600e-003	0.5934	2.1000e-004		0.0763	0.0763		0.0763	0.0763	7.2307	3.1174	10.3481	6.7600e-003	5.7000e-004	10.6663
Energy	5.3000e-004	4.5700e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	39.8012	39.8012	7.1000e-004	2.2000e-004	39.8848
Mobile	0.1139	0.3586	1.4236	1.8400e-003	0.0809	5.5300e-003	0.0865	0.0219	5.0900e-003	0.0270	0.0000	144.9371	144.9371	4.8400e-003	0.0000	145.0386
Waste						0.0000	0.0000		0.0000	0.0000	0.8972	0.0000	0.8972	0.0530	0.0000	2.0107
Water						0.0000	0.0000		0.0000	0.0000	0.1447	2.6103	2.7549	0.0149	3.6000e-004	3.1795
Total	1.5882	0.3698	2.0188	2.0800e-003	0.0809	0.0822	0.1632	0.0219	0.0818	0.1037	8.2726	190.4659	198.7385	0.0802	1.1500e-003	200.7799

	ROG	NOx	CO	SO2	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	0.01	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	Asphalt and Wall Removal	Demolition	1/1/2018	1/26/2018	5	20	
2	Creek Work	Grading	1/27/2018	12/14/2018	5	230	
3	Structure Movement	Building Construction	6/26/2018	7/4/2018	5	7	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Asphalt and Wall Removal	Concrete/Industrial Saws	1	8.00	81	0.73
Asphalt and Wall Removal	Excavators	3	8.00	162	0.38
Asphalt and Wall Removal	Rubber Tired Dozers	2	8.00	255	0.40
Creek Work	Excavators	1	8.00	162	0.38
Creek Work	Graders	1	8.00	174	0.41
Creek Work	Rollers	1	8.00	80	0.38
Creek Work	Rubber Tired Dozers	1	8.00	255	0.40
Creek Work	Rubber Tired Loaders	1	8.00	199	0.36
Creek Work	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Structure Movement	Cranes	1	7.00	226	0.29
Structure Movement	Forklifts	3	8.00	89	0.20
Structure Movement	Generator Sets	0	8.00	84	0.74
Structure Movement	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure Movement	Welders	0	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
Asphalt and Wall Removal	6	15.00	0.00	159.00	16.80	6.60	10.00	LD_Mix	HDT_Mix	HHDT
Creek Work	8	20.00	0.00	11,125.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT
Structure Movement	7	15.00	0.00	7.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Asphalt and Wall Removal - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0172	0.0000	0.0172	2.6100e-003	0.0000	2.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1362	36.1362	9.9900e-003	0.0000	36.3460
Total	0.0356	0.3683	0.3173	4.0000e-004	0.0172	0.0181	0.0353	2.6100e-003	0.0169	0.0195	0.0000	36.1362	36.1362	9.9900e-003	0.0000	36.3460

3.2 Asphalt and Wall Removal - 2018**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	2.4700e-003	8.2400e-003	0.0314	3.0000e-005	6.7000e-004	1.4000e-004	8.1000e-004	1.8000e-004	1.3000e-004	3.1000e-004	0.0000	2.6811	2.6811	2.0000e-005	0.0000	2.6815
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	1.0400e-003	1.6700e-003	0.0154	2.0000e-005	1.8200e-003	2.0000e-005	1.8400e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	1.6804	1.6804	1.2000e-004	0.0000	1.6829
Total	3.5100e-003	9.9100e-003	0.0468	5.0000e-005	2.4900e-003	1.6000e-004	2.6500e-003	6.6000e-004	1.5000e-004	8.1000e-004	0.0000	4.3615	4.3615	1.4000e-004	0.0000	4.3644

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					0.0172	0.0000	0.0172	2.6100e-003	0.0000	2.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4800e-003	0.1876	0.2527	4.0000e-004		8.8200e-003	8.8200e-003		8.8200e-003	8.8200e-003	0.0000	36.1361	36.1361	9.9900e-003	0.0000	36.3459
Total	9.4800e-003	0.1876	0.2527	4.0000e-004	0.0172	8.8200e-003	0.0261	2.6100e-003	8.8200e-003	0.0114	0.0000	36.1361	36.1361	9.9900e-003	0.0000	36.3459

3.2 Asphalt and Wall Removal - 2018

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	2.4700e-003	8.2400e-003	0.0314	3.0000e-005	6.7000e-004	1.4000e-004	8.1000e-004	1.8000e-004	1.3000e-004	3.1000e-004	0.0000	2.6811	2.6811	2.0000e-005	0.0000	2.6815
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	1.0400e-003	1.6700e-003	0.0154	2.0000e-005	1.8200e-003	2.0000e-005	1.8400e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	1.6804	1.6804	1.2000e-004	0.0000	1.6829
Total	3.5100e-003	9.9100e-003	0.0468	5.0000e-005	2.4900e-003	1.6000e-004	2.6500e-003	6.6000e-004	1.5000e-004	8.1000e-004	0.0000	4.3615	4.3615	1.4000e-004	0.0000	4.3644

3.3 Creek Work - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7586	0.0000	0.7586	0.3880	0.0000	0.3880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4234	4.4601	3.1781	4.4200e-003		0.2379	0.2379		0.2189	0.2189	0.0000	404.1054	404.1054	0.1258	0.0000	406.7473
Total	0.4234	4.4601	3.1781	4.4200e-003	0.7586	0.2379	0.9965	0.3880	0.2189	0.6069	0.0000	404.1054	404.1054	0.1258	0.0000	406.7473

3.3 Creek Work - 2018

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	0.1586	0.3516	2.1270	1.1400e-003	0.0234	5.1600e-003	0.0286	6.4600e-003	4.7200e-003	0.0112	0.0000	98.1928	98.1928	8.8000e-004	0.0000	98.2113
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	0.0160	0.0257	0.2356	3.7000e-004	0.0279	3.3000e-004	0.0282	7.4300e-003	3.0000e-004	7.7300e-003	0.0000	25.7660	25.7660	1.8100e-003	0.0000	25.8039
Total	0.1747	0.3773	2.3626	1.5100e-003	0.0513	5.4900e-003	0.0568	0.0139	5.0200e-003	0.0189	0.0000	123.9587	123.9587	2.6900e-003	0.0000	124.0152

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					0.7586	0.0000	0.7586	0.3880	0.0000	0.3880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1082	2.2098	2.9492	4.4200e-003		0.1150	0.1150		0.1150	0.1150	0.0000	404.1049	404.1049	0.1258	0.0000	406.7468
Total	0.1082	2.2098	2.9492	4.4200e-003	0.7586	0.1150	0.8735	0.3880	0.1150	0.5030	0.0000	404.1049	404.1049	0.1258	0.0000	406.7468

3.3 Creek Work - 2018

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	0.1586	0.3516	2.1270	1.1400e-003	0.0234	5.1600e-003	0.0286	6.4600e-003	4.7200e-003	0.0112	0.0000	98.1928	98.1928	8.8000e-004	0.0000	98.2113
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	0.0160	0.0257	0.2356	3.7000e-004	0.0279	3.3000e-004	0.0282	7.4300e-003	3.0000e-004	7.7300e-003	0.0000	25.7660	25.7660	1.8100e-003	0.0000	25.8039
Total	0.1747	0.3773	2.3626	1.5100e-003	0.0513	5.4900e-003	0.0568	0.0139	5.0200e-003	0.0189	0.0000	123.9587	123.9587	2.6900e-003	0.0000	124.0152

3.4 Structure Movement - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0300e-003	0.0611	0.0417	6.0000e-005		3.9200e-003	3.9200e-003		3.6000e-003	3.6000e-003	0.0000	5.6499	5.6499	1.7600e-003	0.0000	5.6869
Total	6.0300e-003	0.0611	0.0417	6.0000e-005		3.9200e-003	3.9200e-003		3.6000e-003	3.6000e-003	0.0000	5.6499	5.6499	1.7600e-003	0.0000	5.6869

3.4 Structure Movement - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	2.2000e-004	1.3400e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0618	0.0618	0.0000	0.0000	0.0618
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	3.7000e-004	5.9000e-004	5.3800e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.5881	0.5881	4.0000e-005	0.0000	0.5890
Total	4.7000e-004	8.1000e-004	6.7200e-003	1.0000e-005	6.5000e-004	1.0000e-005	6.6000e-004	1.7000e-004	1.0000e-005	1.9000e-004	0.0000	0.6499	0.6499	4.0000e-005	0.0000	0.6508

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	1.5200e-003	0.0332	0.0429	6.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	5.6499	5.6499	1.7600e-003	0.0000	5.6869
Total	1.5200e-003	0.0332	0.0429	6.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	5.6499	5.6499	1.7600e-003	0.0000	5.6869

3.4 Structure Movement - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	2.2000e-004	1.3400e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0618	0.0618	0.0000	0.0000	0.0618
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	3.7000e-004	5.9000e-004	5.3800e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.5881	0.5881	4.0000e-005	0.0000	0.5890
Total	4.7000e-004	8.1000e-004	6.7200e-003	1.0000e-005	6.5000e-004	1.0000e-005	6.6000e-004	1.7000e-004	1.0000e-005	1.9000e-004	0.0000	0.6499	0.6499	4.0000e-005	0.0000	0.6508

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1139	0.3586	1.4236	1.8400e-003	0.0809	5.5300e-003	0.0865	0.0219	5.0900e-003	0.0270	0.0000	144.9371	144.9371	4.8400e-003	0.0000	145.0386
Unmitigated	0.1139	0.3586	1.4236	1.8400e-003	0.0809	5.5300e-003	0.0865	0.0219	5.0900e-003	0.0270	0.0000	144.9371	144.9371	4.8400e-003	0.0000	145.0386

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Mobile Home Park	9.98	10.00	8.72	36,454	36,454
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	47.85	50.40	43.85	177,170	177,170
Total	57.83	60.40	52.57	213,624	213,624

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
Mobile Home Park	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.273089	0.095529	0.148893	0.135021	0.096902	0.010099	0.011919	0.212929	0.002437	0.001167	0.006120	0.001740	0.004155

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	34.5134	34.5134	6.0000e-004	1.3000e-004	34.5648
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	34.5134	34.5134	6.0000e-004	1.3000e-004	34.5648
NaturalGas Mitigated	5.3000e-004	4.5700e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2878	5.2878	1.0000e-004	1.0000e-004	5.3200
NaturalGas Unmitigated	5.3000e-004	4.5700e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2878	5.2878	1.0000e-004	1.0000e-004	5.3200

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	89156.5	4.8000e-004	4.1100e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7577	4.7577	9.0000e-005	9.0000e-005	4.7867
Mobile Home Park	9933.06	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333
Total		5.3000e-004	4.5700e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2878	5.2878	1.0000e-004	1.0000e-004	5.3200

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 Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	89156.5	4.8000e-004	4.1100e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7577	4.7577	9.0000e-005	9.0000e-005	4.7867
Mobile Home Park	9933.06	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333
Total		5.3000e-004	4.5700e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2878	5.2878	1.0000e-004	1.0000e-004	5.3200

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	9710.16	7.2955	1.3000e-004	3.0000e-005	7.3064
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	36226.5	27.2179	4.8000e-004	1.0000e-004	27.2584
Total		34.5134	6.1000e-004	1.3000e-004	34.5648

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	9710.16	7.2955	1.3000e-004	3.0000e-005	7.3064
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	36226.5	27.2179	4.8000e-004	1.0000e-004	27.2584
Total		34.5134	6.1000e-004	1.3000e-004	34.5648

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	1.4738	6.5600e-003	0.5934	2.1000e-004		0.0763	0.0763		0.0763	0.0763	7.2307	3.1174	10.3481	6.7600e-003	5.7000e-004	10.6663
Unmitigated	1.4738	6.5600e-003	0.5934	2.1000e-004		0.0763	0.0763		0.0763	0.0763	7.2307	3.1174	10.3481	6.7600e-003	5.7000e-004	10.6663

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	0.2399					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4392	5.9600e-003	0.5411	2.1000e-004		0.0760	0.0760		0.0760	0.0760	7.2307	3.0325	10.2632	6.6700e-003	5.7000e-004	10.5796
Landscaping	1.6000e-003	6.1000e-004	0.0523	0.0000		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.0850	0.0850	8.0000e-005	0.0000	0.0867
Total	1.4738	6.5700e-003	0.5934	2.1000e-004		0.0763	0.0763		0.0763	0.0763	7.2307	3.1174	10.3481	6.7500e-003	5.7000e-004	10.6663

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	0.2399					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4392	5.9600e-003	0.5411	2.1000e-004		0.0760	0.0760		0.0760	0.0760	7.2307	3.0325	10.2632	6.6700e-003	5.7000e-004	10.5796
Landscaping	1.6000e-003	6.1000e-004	0.0523	0.0000		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.0850	0.0850	8.0000e-005	0.0000	0.0867
Total	1.4738	6.5700e-003	0.5934	2.1000e-004		0.0763	0.0763		0.0763	0.0763	7.2307	3.1174	10.3481	6.7500e-003	5.7000e-004	10.6663

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.7549	0.0149	3.6000e-004	3.1795
Unmitigated	2.7549	0.0149	3.6000e-004	3.1797

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	0.130308 / 0.0821507	0.7871	4.2600e-003	1.0000e-004	0.9085
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.32577 / 0.205377	1.9678	0.0107	2.6000e-004	2.2712
Total		2.7549	0.0149	3.6000e-004	3.1797

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	0.130308 / 0.0821507	0.7871	4.2600e-003	1.0000e-004	0.9084
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.32577 / 0.205377	1.9678	0.0107	2.6000e-004	2.2711
Total		2.7549	0.0149	3.6000e-004	3.1795

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.8972	0.0530	0.0000	2.0107
Unmitigated	0.8972	0.0530	0.0000	2.0107

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	0.92	0.1868	0.0110	0.0000	0.4185
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.5	0.7105	0.0420	0.0000	1.5922
Total		0.8972	0.0530	0.0000	2.0107

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	0.92	0.1868	0.0110	0.0000	0.4185
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.5	0.7105	0.0420	0.0000	1.5922
Total		0.8972	0.0530	0.0000	2.0107

9.0 Operational Offroad

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

Yreka Greenway Master Plan - Central Reach (New Roads & Parking Lot)

Siskiyou County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	11.37	1000sqft	0.26	11,370.00	0
Other Asphalt Surfaces	34.85	Acre	34.85	1,518,066.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	85
Climate Zone	14			Operational Year	2019
Utility Company	PacifiCorp				
CO2 Intensity (lb/MW hr)	1656.39	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 -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblProjectCharacteristics	OperationalYear	2014	2019
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.7455	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-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	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	7.7455	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-004

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	7.7455	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-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	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	7.7455	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-004

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	1/1/2018	2/9/2018	5	30	
2	Grading	Grading	2/10/2018	5/25/2018	5	75	
3	Paving	Paving	5/26/2018	8/10/2018	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0644	0.6841	0.5435	5.9000e-004		0.0355	0.0355		0.0326	0.0326	0.0000	53.6115	53.6115	0.0167	0.0000	53.9620
Total	0.0644	0.6841	0.5435	5.9000e-004	0.2710	0.0355	0.3065	0.1490	0.0326	0.1816	0.0000	53.6115	53.6115	0.0167	0.0000	53.9620

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	1.8800e-003	3.0100e-003	0.0277	4.0000e-005	3.2700e-003	4.0000e-005	3.3100e-003	8.7000e-004	4.0000e-005	9.1000e-004	0.0000	3.0247	3.0247	2.1000e-004	0.0000	3.0292
Total	1.8800e-003	3.0100e-003	0.0277	4.0000e-005	3.2700e-003	4.0000e-005	3.3100e-003	8.7000e-004	4.0000e-005	9.1000e-004	0.0000	3.0247	3.0247	2.1000e-004	0.0000	3.0292

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0143	0.2919	0.3510	5.9000e-004		0.0144	0.0144		0.0144	0.0144	0.0000	53.6115	53.6115	0.0167	0.0000	53.9620
Total	0.0143	0.2919	0.3510	5.9000e-004	0.2710	0.0144	0.2854	0.1490	0.0144	0.1634	0.0000	53.6115	53.6115	0.0167	0.0000	53.9620

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	1.8800e-003	3.0100e-003	0.0277	4.0000e-005	3.2700e-003	4.0000e-005	3.3100e-003	8.7000e-004	4.0000e-005	9.1000e-004	0.0000	3.0247	3.0247	2.1000e-004	0.0000	3.0292
Total	1.8800e-003	3.0100e-003	0.0277	4.0000e-005	3.2700e-003	4.0000e-005	3.3100e-003	8.7000e-004	4.0000e-005	9.1000e-004	0.0000	3.0247	3.0247	2.1000e-004	0.0000	3.0292

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3253	0.0000	0.3253	0.1349	0.0000	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1984	2.2325	1.5865	2.3100e-003		0.1046	0.1046		0.0962	0.0962	0.0000	211.3560	211.3560	0.0658	0.0000	212.7378
Total	0.1984	2.2325	1.5865	2.3100e-003	0.3253	0.1046	0.4298	0.1349	0.0962	0.2311	0.0000	211.3560	211.3560	0.0658	0.0000	212.7378

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	5.2200e-003	8.3700e-003	0.0768	1.2000e-004	9.0900e-003	1.1000e-004	9.2000e-003	2.4200e-003	1.0000e-004	2.5200e-003	0.0000	8.4019	8.4019	5.9000e-004	0.0000	8.4143
Total	5.2200e-003	8.3700e-003	0.0768	1.2000e-004	9.0900e-003	1.1000e-004	9.2000e-003	2.4200e-003	1.0000e-004	2.5200e-003	0.0000	8.4019	8.4019	5.9000e-004	0.0000	8.4143

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3253	0.0000	0.3253	0.1349	0.0000	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0567	1.1167	1.4229	2.3100e-003		0.0496	0.0496		0.0496	0.0496	0.0000	211.3558	211.3558	0.0658	0.0000	212.7376
Total	0.0567	1.1167	1.4229	2.3100e-003	0.3253	0.0496	0.3749	0.1349	0.0496	0.1845	0.0000	211.3558	211.3558	0.0658	0.0000	212.7376

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	5.2200e-003	8.3700e-003	0.0768	1.2000e-004	9.0900e-003	1.1000e-004	9.2000e-003	2.4200e-003	1.0000e-004	2.5200e-003	0.0000	8.4019	8.4019	5.9000e-004	0.0000	8.4143
Total	5.2200e-003	8.3700e-003	0.0768	1.2000e-004	9.0900e-003	1.1000e-004	9.2000e-003	2.4200e-003	1.0000e-004	2.5200e-003	0.0000	8.4019	8.4019	5.9000e-004	0.0000	8.4143

3.4 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.4720	0.3986	6.1000e-004		0.0258	0.0258		0.0238	0.0238	0.0000	56.0140	56.0140	0.0174	0.0000	56.3802
Paving	0.0460					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0903	0.4720	0.3986	6.1000e-004		0.0258	0.0258		0.0238	0.0238	0.0000	56.0140	56.0140	0.0174	0.0000	56.3802

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	2.8700e-003	4.6000e-003	0.0423	7.0000e-005	5.0000e-003	6.0000e-005	5.0600e-003	1.3300e-003	5.0000e-005	1.3900e-003	0.0000	4.6211	4.6211	3.2000e-004	0.0000	4.6279
Total	2.8700e-003	4.6000e-003	0.0423	7.0000e-005	5.0000e-003	6.0000e-005	5.0600e-003	1.3300e-003	5.0000e-005	1.3900e-003	0.0000	4.6211	4.6211	3.2000e-004	0.0000	4.6279

3.4 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0151	0.3043	0.4655	6.1000e-004		0.0165	0.0165		0.0165	0.0165	0.0000	56.0140	56.0140	0.0174	0.0000	56.3802
Paving	0.0460					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0611	0.3043	0.4655	6.1000e-004		0.0165	0.0165		0.0165	0.0165	0.0000	56.0140	56.0140	0.0174	0.0000	56.3802

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	2.8700e-003	4.6000e-003	0.0423	7.0000e-005	5.0000e-003	6.0000e-005	5.0600e-003	1.3300e-003	5.0000e-005	1.3900e-003	0.0000	4.6211	4.6211	3.2000e-004	0.0000	4.6279
Total	2.8700e-003	4.6000e-003	0.0423	7.0000e-005	5.0000e-003	6.0000e-005	5.0600e-003	1.3300e-003	5.0000e-005	1.3900e-003	0.0000	4.6211	4.6211	3.2000e-004	0.0000	4.6279

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

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

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	7.7455	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-004
Unmitigated	7.7455	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-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	tons/yr										MT/yr					
Architectural Coating	1.7722					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.9732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-004
Total	7.7455	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-004

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	1.7722					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.9732					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-004
Total	7.7455	0.0000	4.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.3000e-004	8.3000e-004	0.0000	0.0000	8.7000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	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

8.2 Waste by Land Use

Unmitigated

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	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
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10.0 Vegetation

Yreka Greenway Master Plan - North Reach Siskiyou County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	13.40	Acre	13.40	583,704.00	0
Mobile Home Park	2.00	Dwelling Unit	0.25	2,400.00	6

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	85
Climate Zone	14			Operational Year	2020
Utility Company	PacifiCorp				
CO2 Intensity (lb/MW hr)	1656.39	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 - Residential units = structures moved. (Mobile homes = sheds, outbuildings, or storage yards)

Construction Phase - Includes creek work and structure movement

Off-road Equipment - Structure movement

Trips and VMT - No vendor trips during Structure Movement

Grading -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	2.00
tblConstructionPhase	NumDays	30.00	300.00
tblConstructionPhase	PhaseEndDate	4/8/2020	5/28/2019
tblConstructionPhase	PhaseStartDate	4/7/2020	5/25/2019
tblGrading	MaterialExported	0.00	89,450.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	VendorTripNumber	96.00	0.00
tblTripsAndVMT	WorkerTripNumber	247.00	15.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.6776	6.5525	6.3976	8.4000e-003	1.3564	0.2944	1.6508	0.5537	0.2709	0.8246	0.0000	741.5878	741.5878	0.2055	0.0000	745.9023
2020	0.1862	1.7792	1.8220	2.5000e-003	1.3332	0.0793	1.4125	0.5473	0.0729	0.6202	0.0000	215.9958	215.9958	0.0612	0.0000	217.2804
Total	0.8637	8.3317	8.2196	0.0109	2.6896	0.3737	3.0633	1.1010	0.3438	1.4448	0.0000	957.5837	957.5837	0.2666	0.0000	963.1827

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					
2019	0.2863	3.7261	6.1273	8.4000e-003	1.3564	0.1576	1.5140	0.5537	0.1573	0.7110	0.0000	741.5871	741.5871	0.2055	0.0000	745.9015
2020	0.0814	1.1029	1.8054	2.5000e-003	1.3332	0.0469	1.3801	0.5473	0.0468	0.5940	0.0000	215.9956	215.9956	0.0612	0.0000	217.2802
Total	0.3677	4.8290	7.9327	0.0109	2.6896	0.2045	2.8941	1.1010	0.2040	1.3050	0.0000	957.5827	957.5827	0.2666	0.0000	963.1817

	ROG	NOx	CO	SO2	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	57.43	42.04	3.49	0.00	0.00	45.28	5.52	0.00	40.65	9.67	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0951	1.8800e-003	0.1696	6.0000e-005		0.0218	0.0218		0.0218	0.0218	2.0659	0.8909	2.9568	1.9300e-003	1.6000e-004	3.0478
Energy	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	7.8256	7.8256	1.4000e-004	4.0000e-005	7.8397
Mobile	0.0176	0.0557	0.2300	3.1000e-004	0.0138	9.2000e-004	0.0147	3.7400e-003	8.5000e-004	4.5900e-003	0.0000	24.1530	24.1530	7.7000e-004	0.0000	24.1692
Waste						0.0000	0.0000		0.0000	0.0000	0.1868	0.0000	0.1868	0.0110	0.0000	0.4185
Water						0.0000	0.0000		0.0000	0.0000	0.0413	0.7458	0.7871	4.2600e-003	1.0000e-004	0.9085
Total	3.1128	0.0580	0.3998	3.7000e-004	0.0138	0.0228	0.0366	3.7400e-003	0.0227	0.0264	2.2940	33.6153	35.9093	0.0181	3.0000e-004	36.3837

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	3.0951	1.8800e-003	0.1696	6.0000e-005		0.0218	0.0218		0.0218	0.0218	2.0659	0.8909	2.9568	1.9300e-003	1.6000e-004	3.0478
Energy	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	7.8256	7.8256	1.4000e-004	4.0000e-005	7.8397
Mobile	0.0176	0.0557	0.2300	3.1000e-004	0.0138	9.2000e-004	0.0147	3.7400e-003	8.5000e-004	4.5900e-003	0.0000	24.1530	24.1530	7.7000e-004	0.0000	24.1692
Waste						0.0000	0.0000		0.0000	0.0000	0.1868	0.0000	0.1868	0.0110	0.0000	0.4185
Water						0.0000	0.0000		0.0000	0.0000	0.0413	0.7458	0.7871	4.2600e-003	1.0000e-004	0.9084
Total	3.1128	0.0580	0.3998	3.7000e-004	0.0138	0.0228	0.0366	3.7400e-003	0.0227	0.0264	2.2940	33.6153	35.9093	0.0181	3.0000e-004	36.3836

	ROG	NOx	CO	SO2	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	Creek Work	Grading	2/12/2019	4/6/2020	5	300	
2	Structure Movement	Building Construction	5/25/2019	5/28/2019	5	2	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Creek Work	Excavators	2	8.00	162	0.38
Creek Work	Graders	1	8.00	174	0.41
Creek Work	Rubber Tired Dozers	1	8.00	255	0.40
Creek Work	Scrapers	2	8.00	361	0.48
Creek Work	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structure Movement	Cranes	1	7.00	226	0.29
Structure Movement	Forklifts	3	8.00	89	0.20
Structure Movement	Generator Sets	0	8.00	84	0.74
Structure Movement	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure Movement	Welders	0	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
Creek Work	8	20.00	0.00	11,181.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT
Structure Movement	7	15.00	0.00	0.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Creek Work - 2019

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					1.3061	0.0000	1.3061	0.5402	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5649	6.2598	4.6534	7.1300e-003		0.2893	0.2893		0.2662	0.2662	0.0000	640.3423	640.3423	0.2026	0.0000	644.5968
Total	0.5649	6.2598	4.6534	7.1300e-003	1.3061	0.2893	1.5954	0.5402	0.2662	0.8064	0.0000	640.3423	640.3423	0.2026	0.0000	644.5968

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	0.0970	0.2539	1.5225	8.8000e-004	0.0221	3.8500e-003	0.0260	5.9800e-003	3.5300e-003	9.5200e-003	0.0000	74.5454	74.5454	6.8000e-004	0.0000	74.5596
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	0.0141	0.0231	0.2088	3.8000e-004	0.0280	3.1000e-004	0.0283	7.4600e-003	2.9000e-004	7.7500e-003	0.0000	24.9503	24.9503	1.6600e-003	0.0000	24.9853
Total	0.1110	0.2769	1.7313	1.2600e-003	0.0501	4.1600e-003	0.0543	0.0134	3.8200e-003	0.0173	0.0000	99.4957	99.4957	2.3400e-003	0.0000	99.5449

3.2 Creek Work - 2019

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					1.3061	0.0000	1.3061	0.5402	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1747	3.4396	4.3824	7.1300e-003		0.1529	0.1529		0.1529	0.1529	0.0000	640.3415	640.3415	0.2026	0.0000	644.5961
Total	0.1747	3.4396	4.3824	7.1300e-003	1.3061	0.1529	1.4589	0.5402	0.1529	0.6931	0.0000	640.3415	640.3415	0.2026	0.0000	644.5961

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	0.0970	0.2539	1.5225	8.8000e-004	0.0221	3.8500e-003	0.0260	5.9800e-003	3.5300e-003	9.5200e-003	0.0000	74.5454	74.5454	6.8000e-004	0.0000	74.5596
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	0.0141	0.0231	0.2088	3.8000e-004	0.0280	3.1000e-004	0.0283	7.4600e-003	2.9000e-004	7.7500e-003	0.0000	24.9503	24.9503	1.6600e-003	0.0000	24.9853
Total	0.1110	0.2769	1.7313	1.2600e-003	0.0501	4.1600e-003	0.0543	0.0134	3.8200e-003	0.0173	0.0000	99.4957	99.4957	2.3400e-003	0.0000	99.5449

3.2 Creek Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3061	0.0000	1.3061	0.5402	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1570	1.7038	1.3257	2.1300e-003		0.0780	0.0780		0.0718	0.0718	0.0000	187.0896	187.0896	0.0605	0.0000	188.3603
Total	0.1570	1.7038	1.3257	2.1300e-003	1.3061	0.0780	1.3841	0.5402	0.0718	0.6120	0.0000	187.0896	187.0896	0.0605	0.0000	188.3603

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	0.0254	0.0693	0.4407	2.6000e-004	0.0188	1.1200e-003	0.0199	4.7800e-003	1.0300e-003	5.8100e-003	0.0000	21.7472	21.7472	2.0000e-004	0.0000	21.7514
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	3.7400e-003	6.2400e-003	0.0556	1.1000e-004	8.3700e-003	9.0000e-005	8.4600e-003	2.2300e-003	8.0000e-005	2.3100e-003	0.0000	7.1591	7.1591	4.6000e-004	0.0000	7.1688
Total	0.0292	0.0755	0.4963	3.7000e-004	0.0272	1.2100e-003	0.0284	7.0100e-003	1.1100e-003	8.1200e-003	0.0000	28.9063	28.9063	6.6000e-004	0.0000	28.9202

3.2 Creek Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3061	0.0000	1.3061	0.5402	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0522	1.0274	1.3090	2.1300e-003		0.0457	0.0457		0.0457	0.0457	0.0000	187.0894	187.0894	0.0605	0.0000	188.3600
Total	0.0522	1.0274	1.3090	2.1300e-003	1.3061	0.0457	1.3517	0.5402	0.0457	0.5859	0.0000	187.0894	187.0894	0.0605	0.0000	188.3600

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	0.0254	0.0693	0.4407	2.6000e-004	0.0188	1.1200e-003	0.0199	4.7800e-003	1.0300e-003	5.8100e-003	0.0000	21.7472	21.7472	2.0000e-004	0.0000	21.7514
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	3.7400e-003	6.2400e-003	0.0556	1.1000e-004	8.3700e-003	9.0000e-005	8.4600e-003	2.2300e-003	8.0000e-005	2.3100e-003	0.0000	7.1591	7.1591	4.6000e-004	0.0000	7.1688
Total	0.0292	0.0755	0.4963	3.7000e-004	0.0272	1.2100e-003	0.0284	7.0100e-003	1.1100e-003	8.1200e-003	0.0000	28.9063	28.9063	6.6000e-004	0.0000	28.9202

3.3 Structure Movement - 2019

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	1.5200e-003	0.0156	0.0116	2.0000e-005		9.6000e-004	9.6000e-004		8.8000e-004	8.8000e-004	0.0000	1.5878	1.5878	5.0000e-004	0.0000	1.5984
Total	1.5200e-003	0.0156	0.0116	2.0000e-005		9.6000e-004	9.6000e-004		8.8000e-004	8.8000e-004	0.0000	1.5878	1.5878	5.0000e-004	0.0000	1.5984

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.5000e-004	1.3600e-003	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1620	0.1620	1.0000e-005	0.0000	0.1622
Total	9.0000e-005	1.5000e-004	1.3600e-003	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1620	0.1620	1.0000e-005	0.0000	0.1622

3.3 Structure Movement - 2019

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	4.3000e-004	9.4800e-003	0.0123	2.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	1.5878	1.5878	5.0000e-004	0.0000	1.5984
Total	4.3000e-004	9.4800e-003	0.0123	2.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	1.5878	1.5878	5.0000e-004	0.0000	1.5984

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.5000e-004	1.3600e-003	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1620	0.1620	1.0000e-005	0.0000	0.1622
Total	9.0000e-005	1.5000e-004	1.3600e-003	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1620	0.1620	1.0000e-005	0.0000	0.1622

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0176	0.0557	0.2300	3.1000e-004	0.0138	9.2000e-004	0.0147	3.7400e-003	8.5000e-004	4.5900e-003	0.0000	24.1530	24.1530	7.7000e-004	0.0000	24.1692
Unmitigated	0.0176	0.0557	0.2300	3.1000e-004	0.0138	9.2000e-004	0.0147	3.7400e-003	8.5000e-004	4.5900e-003	0.0000	24.1530	24.1530	7.7000e-004	0.0000	24.1692

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Mobile Home Park	9.98	10.00	8.72	36,454	36,454
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	9.98	10.00	8.72	36,454	36,454

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
Mobile Home Park	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.271253	0.095444	0.148282	0.134901	0.096880	0.010081	0.012267	0.215220	0.002482	0.001163	0.006132	0.001739	0.004155

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7.2955	7.2955	1.3000e-004	3.0000e-005	7.3064
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7.2955	7.2955	1.3000e-004	3.0000e-005	7.3064
NaturalGas Mitigated	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333
NaturalGas Unmitigated	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333

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					
Mobile Home Park	9933.06	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333

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					
Mobile Home Park	9933.06	5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.0000e-005	4.6000e-004	1.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	1.0000e-005	0.5333

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	9710.16	7.2955	1.3000e-004	3.0000e-005	7.3064
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		7.2955	1.3000e-004	3.0000e-005	7.3064

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	9710.16	7.2955	1.3000e-004	3.0000e-005	7.3064
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		7.2955	1.3000e-004	3.0000e-005	7.3064

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	3.0951	1.8800e-003	0.1696	6.0000e-005		0.0218	0.0218		0.0218	0.0218	2.0659	0.8909	2.9568	1.9300e-003	1.6000e-004	3.0478
Unmitigated	3.0951	1.8800e-003	0.1696	6.0000e-005		0.0218	0.0218		0.0218	0.0218	2.0659	0.8909	2.9568	1.9300e-003	1.6000e-004	3.0478

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	0.6801					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1255	1.7000e-003	0.1546	6.0000e-005		0.0217	0.0217		0.0217	0.0217	2.0659	0.8664	2.9323	1.9100e-003	1.6000e-004	3.0227
Landscaping	4.7000e-004	1.7000e-004	0.0150	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0245	0.0245	2.0000e-005	0.0000	0.0250
Total	3.0951	1.8700e-003	0.1696	6.0000e-005		0.0218	0.0218		0.0218	0.0218	2.0659	0.8909	2.9568	1.9300e-003	1.6000e-004	3.0478

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	0.6801					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1255	1.7000e-003	0.1546	6.0000e-005		0.0217	0.0217		0.0217	0.0217	2.0659	0.8664	2.9323	1.9100e-003	1.6000e-004	3.0227
Landscaping	4.7000e-004	1.7000e-004	0.0150	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0245	0.0245	2.0000e-005	0.0000	0.0250
Total	3.0951	1.8700e-003	0.1696	6.0000e-005		0.0218	0.0218		0.0218	0.0218	2.0659	0.8909	2.9568	1.9300e-003	1.6000e-004	3.0478

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.7871	4.2600e-003	1.0000e-004	0.9084
Unmitigated	0.7871	4.2600e-003	1.0000e-004	0.9085

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	0.130308 / 0.0821507	0.7871	4.2600e-003	1.0000e-004	0.9085
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.7871	4.2600e-003	1.0000e-004	0.9085

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	0.130308 / 0.0821507	0.7871	4.2600e-003	1.0000e-004	0.9084
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.7871	4.2600e-003	1.0000e-004	0.9084

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1868	0.0110	0.0000	0.4185
Unmitigated	0.1868	0.0110	0.0000	0.4185

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	0.92	0.1868	0.0110	0.0000	0.4185
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.1868	0.0110	0.0000	0.4185

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	0.92	0.1868	0.0110	0.0000	0.4185
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.1868	0.0110	0.0000	0.4185

9.0 Operational Offroad

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

Yreka Greenway Master Plan - North Reach (New Roads) Siskiyou County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	35.91	1000sqft	0.82	35,910.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	85
Climate Zone	14			Operational Year	2020
Utility Company	PacifiCorp				
CO2 Intensity (lb/MW hr)	1656.39	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 -

Off-road Equipment - No concrete saw

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1819	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-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	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	0.1819	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004

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	0.1819	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-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	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	0.1819	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	1/15/2020	1/15/2020	5	1	
2	Grading	Grading	1/16/2020	1/17/2020	5	2	
3	Paving	Paving	1/18/2020	1/24/2020	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	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
Site Preparation	2	5.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	4.6000e-004	4.5300e-003	3.4200e-003	0.0000	2.7000e-004	2.6000e-004	5.3000e-004	3.0000e-005	2.4000e-004	2.7000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120

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-005	2.0000e-005	2.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0259	0.0259	0.0000	0.0000	0.0260
Total	1.0000e-005	2.0000e-005	2.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0259	0.0259	0.0000	0.0000	0.0260

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1000e-004	2.3300e-003	3.5000e-003	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	1.1000e-004	2.3300e-003	3.5000e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.3000e-004	1.6000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120

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-005	2.0000e-005	2.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0259	0.0259	0.0000	0.0000	0.0260
Total	1.0000e-005	2.0000e-005	2.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0259	0.0259	0.0000	0.0000	0.0260

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	4.4300e-003	4.4100e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.5072	0.5072	1.6000e-004	0.0000	0.5106
Total	4.3000e-004	4.4300e-003	4.4100e-003	1.0000e-005	7.5000e-004	2.6000e-004	1.0100e-003	4.1000e-004	2.4000e-004	6.5000e-004	0.0000	0.5072	0.5072	1.6000e-004	0.0000	0.5106

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	4.0000e-005	7.0000e-005	6.4000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0830	0.0830	1.0000e-005	0.0000	0.0831
Total	4.0000e-005	7.0000e-005	6.4000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0830	0.0830	1.0000e-005	0.0000	0.0831

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-004	3.1200e-003	4.1000e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.5072	0.5072	1.6000e-004	0.0000	0.5106
Total	1.4000e-004	3.1200e-003	4.1000e-003	1.0000e-005	7.5000e-004	2.0000e-004	9.5000e-004	4.1000e-004	2.0000e-004	6.1000e-004	0.0000	0.5072	0.5072	1.6000e-004	0.0000	0.5106

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	4.0000e-005	7.0000e-005	6.4000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0830	0.0830	1.0000e-005	0.0000	0.0831
Total	4.0000e-005	7.0000e-005	6.4000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0830	0.0830	1.0000e-005	0.0000	0.0831

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9100e-003	0.0178	0.0175	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276
Paving	1.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.9800e-003	0.0178	0.0175	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.1000e-004	3.6300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.5000e-004	0.0000	0.4669	0.4669	3.0000e-005	0.0000	0.4675
Total	2.4000e-004	4.1000e-004	3.6300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.5000e-004	0.0000	0.4669	0.4669	3.0000e-005	0.0000	0.4675

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5000e-004	0.0117	0.0170	3.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276
Paving	1.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0117	0.0170	3.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.1000e-004	3.6300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.5000e-004	0.0000	0.4669	0.4669	3.0000e-005	0.0000	0.4675
Total	2.4000e-004	4.1000e-004	3.6300e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.5000e-004	0.0000	0.4669	0.4669	3.0000e-005	0.0000	0.4675

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.271253	0.095444	0.148282	0.134901	0.096880	0.010081	0.012267	0.215220	0.002482	0.001163	0.006132	0.001739	0.004155

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

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	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

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

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	0.1819	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Unmitigated	0.1819	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-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	tons/yr										MT/yr					
Architectural Coating	0.0416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Total	0.1819	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-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	tons/yr										MT/yr					
Architectural Coating	0.0416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Total	0.1819	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	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			
Other Asphalt Surfaces	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
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10.0 Vegetation

Yreka Greenway Master Plan - South Reach Siskiyou County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.60	Acre	27.60	1,202,256.00	0
Mobile Home Park	7.00	Dwelling Unit	0.88	8,400.00	20
Single Family Housing	2.00	Dwelling Unit	0.65	3,600.00	6

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	85
Climate Zone	14			Operational Year	2020
Utility Company	PacifiCorp				
CO2 Intensity (lb/MW hr)	1656.39	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 - Residential units = structures moved. (Single family = large buildings. Mobile home = sheds, outbuildings, or storage yards)

Construction Phase - Includes creek work and structure movement

Off-road Equipment - Moving structures

Off-road Equipment - Drainage channel and floodplain widening

Trips and VMT - No vendor trips during Structure Movement

Grading -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	440.00	9.00
tblConstructionPhase	NumDays	45.00	440.00
tblConstructionPhase	PhaseEndDate	11/26/2020	5/23/2019
tblConstructionPhase	PhaseStartDate	11/14/2020	5/13/2019
tblGrading	MaterialExported	0.00	301,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	5.00

tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	0.00	9.00
tblTripsAndVMT	VendorTripNumber	198.00	0.00
tblTripsAndVMT	WorkerTripNumber	511.00	15.00

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.7210	8.4400e-003	0.7630	2.8000e-004		0.0981	0.0981		0.0981	0.0981	9.2966	4.0085	13.3051	8.6900e-003	7.3000e-004	13.7143
Energy	3.8000e-004	3.2500e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	40.1797	40.1797	7.1000e-004	2.0000e-004	40.2569
Mobile	0.0960	0.3031	1.2522	1.7100e-003	0.0752	5.0000e-003	0.0802	0.0204	4.6000e-003	0.0250	0.0000	131.4900	131.4900	4.2000e-003	0.0000	131.5783
Waste						0.0000	0.0000		0.0000	0.0000	0.9581	0.0000	0.9581	0.0566	0.0000	2.1472
Water						0.0000	0.0000		0.0000	0.0000	0.1860	3.3560	3.5421	0.0192	4.6000e-004	4.0882
Total	6.8173	0.3148	2.0165	2.0100e-003	0.0752	0.1034	0.1786	0.0204	0.1030	0.1233	10.4408	179.0343	189.4751	0.0894	1.3900e-003	191.7848

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	6.7210	8.4400e-003	0.7630	2.8000e-004		0.0981	0.0981		0.0981	0.0981	9.2966	4.0085	13.3051	8.6900e-003	7.3000e-004	13.7143
Energy	3.8000e-004	3.2500e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	40.1797	40.1797	7.1000e-004	2.0000e-004	40.2569
Mobile	0.0960	0.3031	1.2522	1.7100e-003	0.0752	5.0000e-003	0.0802	0.0204	4.6000e-003	0.0250	0.0000	131.4900	131.4900	4.2000e-003	0.0000	131.5783
Waste						0.0000	0.0000		0.0000	0.0000	0.9581	0.0000	0.9581	0.0566	0.0000	2.1472
Water						0.0000	0.0000		0.0000	0.0000	0.1860	3.3560	3.5421	0.0192	4.6000e-004	4.0879
Total	6.8173	0.3148	2.0165	2.0100e-003	0.0752	0.1034	0.1786	0.0204	0.1030	0.1233	10.4408	179.0343	189.4751	0.0894	1.3900e-003	191.7845

	ROG	NOx	CO	SO2	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	0.01	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	Creek Work	Grading	3/11/2019	11/13/2020	5	440	
2	Building Construction	Building Construction	5/13/2019	5/23/2019	5	9	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Creek Work	Excavators	2	8.00	162	0.38
Creek Work	Graders	1	8.00	174	0.41
Creek Work	Rollers	1	8.00	80	0.38
Creek Work	Rubber Tired Dozers	1	8.00	255	0.40
Creek Work	Rubber Tired Loaders	1	8.00	199	0.36
Creek Work	Scrapers	2	8.00	361	0.48
Creek Work	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	0	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
Creek Work	10	25.00	0.00	37,625.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	15.00	0.00	9.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Creek Work - 2019

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					1.9252	0.0000	1.9252	0.7938	0.0000	0.7938	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5839	6.4840	4.6472	7.4700e-003		0.2980	0.2980		0.2741	0.2741	0.0000	670.9779	670.9779	0.2123	0.0000	675.4359
Total	0.5839	6.4840	4.6472	7.4700e-003	1.9252	0.2980	2.2231	0.7938	0.2741	1.0679	0.0000	670.9779	670.9779	0.2123	0.0000	675.4359

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	0.2042	0.5345	3.2059	1.8500e-003	0.0685	8.1100e-003	0.0766	0.0180	7.4400e-003	0.0254	0.0000	156.9673	156.9673	1.4200e-003	0.0000	156.9972
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	0.0161	0.0265	0.2395	4.3000e-004	0.0321	3.6000e-004	0.0325	8.5600e-003	3.3000e-004	8.8900e-003	0.0000	28.6227	28.6227	1.9100e-003	0.0000	28.6627
Total	0.2203	0.5610	3.4454	2.2800e-003	0.1006	8.4700e-003	0.1091	0.0265	7.7700e-003	0.0343	0.0000	185.5900	185.5900	3.3300e-003	0.0000	185.6599

3.2 Creek Work - 2019

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					1.9252	0.0000	1.9252	0.7938	0.0000	0.7938	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2485	4.1157	4.5746	7.4700e-003		0.1929	0.1929		0.1893	0.1893	0.0000	670.9771	670.9771	0.2123	0.0000	675.4351
Total	0.2485	4.1157	4.5746	7.4700e-003	1.9252	0.1929	2.1181	0.7938	0.1893	0.9831	0.0000	670.9771	670.9771	0.2123	0.0000	675.4351

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	0.2042	0.5345	3.2059	1.8500e-003	0.0685	8.1100e-003	0.0766	0.0180	7.4400e-003	0.0254	0.0000	156.9673	156.9673	1.4200e-003	0.0000	156.9972
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	0.0161	0.0265	0.2395	4.3000e-004	0.0321	3.6000e-004	0.0325	8.5600e-003	3.3000e-004	8.8900e-003	0.0000	28.6227	28.6227	1.9100e-003	0.0000	28.6627
Total	0.2203	0.5610	3.4454	2.2800e-003	0.1006	8.4700e-003	0.1091	0.0265	7.7700e-003	0.0343	0.0000	185.5900	185.5900	3.3300e-003	0.0000	185.6599

3.2 Creek Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9252	0.0000	1.9252	0.7938	0.0000	0.7938	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5843	6.3598	4.7791	8.0300e-003		0.2894	0.2894		0.2662	0.2662	0.0000	705.8362	705.8362	0.2283	0.0000	710.6301
Total	0.5843	6.3598	4.7791	8.0300e-003	1.9252	0.2894	2.2145	0.7938	0.2662	1.0600	0.0000	705.8362	705.8362	0.2283	0.0000	710.6301

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	0.1929	0.5250	3.3411	1.9800e-003	0.0693	8.4900e-003	0.0777	0.0183	7.8000e-003	0.0261	0.0000	164.8744	164.8744	1.5200e-003	0.0000	164.9064
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	0.0154	0.0258	0.2298	4.6000e-004	0.0346	3.7000e-004	0.0349	9.2000e-003	3.4000e-004	9.5500e-003	0.0000	29.5700	29.5700	1.9100e-003	0.0000	29.6101
Total	0.2083	0.5508	3.5709	2.4400e-003	0.1038	8.8600e-003	0.1127	0.0275	8.1400e-003	0.0356	0.0000	194.4445	194.4445	3.4300e-003	0.0000	194.5165

3.2 Creek Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9252	0.0000	1.9252	0.7938	0.0000	0.7938	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2612	4.3570	4.9149	8.0300e-003		0.2035	0.2035		0.1999	0.1999	0.0000	705.8354	705.8354	0.2283	0.0000	710.6293
Total	0.2612	4.3570	4.9149	8.0300e-003	1.9252	0.2035	2.1286	0.7938	0.1999	0.9937	0.0000	705.8354	705.8354	0.2283	0.0000	710.6293

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	0.1929	0.5250	3.3411	1.9800e-003	0.0693	8.4900e-003	0.0777	0.0183	7.8000e-003	0.0261	0.0000	164.8744	164.8744	1.5200e-003	0.0000	164.9064
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	0.0154	0.0258	0.2298	4.6000e-004	0.0346	3.7000e-004	0.0349	9.2000e-003	3.4000e-004	9.5500e-003	0.0000	29.5700	29.5700	1.9100e-003	0.0000	29.6101
Total	0.2083	0.5508	3.5709	2.4400e-003	0.1038	8.8600e-003	0.1127	0.0275	8.1400e-003	0.0356	0.0000	194.4445	194.4445	3.4300e-003	0.0000	194.5165

3.3 Building Construction - 2019

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	6.8500e-003	0.0700	0.0522	8.0000e-005		4.3200e-003	4.3200e-003		3.9700e-003	3.9700e-003	0.0000	7.1451	7.1451	2.2600e-003	0.0000	7.1926
Total	6.8500e-003	0.0700	0.0522	8.0000e-005		4.3200e-003	4.3200e-003		3.9700e-003	3.9700e-003	0.0000	7.1451	7.1451	2.2600e-003	0.0000	7.1926

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	2.7000e-004	1.5900e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0779	0.0779	0.0000	0.0000	0.0779
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	6.7000e-004	6.1000e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.7291	0.7291	5.0000e-005	0.0000	0.7301
Total	5.1000e-004	9.4000e-004	7.6900e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8070	0.8070	5.0000e-005	0.0000	0.8080

3.3 Building Construction - 2019

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	1.9500e-003	0.0427	0.0552	8.0000e-005		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	7.1451	7.1451	2.2600e-003	0.0000	7.1926
Total	1.9500e-003	0.0427	0.0552	8.0000e-005		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	7.1451	7.1451	2.2600e-003	0.0000	7.1926

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	2.7000e-004	1.5900e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0779	0.0779	0.0000	0.0000	0.0779
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	6.7000e-004	6.1000e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.7291	0.7291	5.0000e-005	0.0000	0.7301
Total	5.1000e-004	9.4000e-004	7.6900e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8070	0.8070	5.0000e-005	0.0000	0.8080

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0960	0.3031	1.2522	1.7100e-003	0.0752	5.0000e-003	0.0802	0.0204	4.6000e-003	0.0250	0.0000	131.4900	131.4900	4.2000e-003	0.0000	131.5783
Unmitigated	0.0960	0.3031	1.2522	1.7100e-003	0.0752	5.0000e-003	0.0802	0.0204	4.6000e-003	0.0250	0.0000	131.4900	131.4900	4.2000e-003	0.0000	131.5783

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Mobile Home Park	34.93	35.00	30.52	127,589	127,589
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	19.14	20.16	17.54	70,868	70,868
Total	54.07	55.16	48.06	198,457	198,457

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
Mobile Home Park	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.271253	0.095444	0.148282	0.134901	0.096880	0.010081	0.012267	0.215220	0.002482	0.001163	0.006132	0.001739	0.004155

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	36.4214	36.4214	6.4000e-004	1.3000e-004	36.4757
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	36.4214	36.4214	6.4000e-004	1.3000e-004	36.4757
NaturalGas Mitigated	3.8000e-004	3.2500e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7583	3.7583	7.0000e-005	7.0000e-005	3.7812
NaturalGas Unmitigated	3.8000e-004	3.2500e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7583	3.7583	7.0000e-005	7.0000e-005	3.7812

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					
Mobile Home Park	34765.7	1.9000e-004	1.6000e-003	6.8000e-004	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8552	1.8552	4.0000e-005	3.0000e-005	1.8665
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35662.6	1.9000e-004	1.6400e-003	7.0000e-004	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.9031	1.9031	4.0000e-005	3.0000e-005	1.9147
Total		3.8000e-004	3.2400e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7583	3.7583	8.0000e-005	6.0000e-005	3.7812

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					
Mobile Home Park	34765.7	1.9000e-004	1.6000e-003	6.8000e-004	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8552	1.8552	4.0000e-005	3.0000e-005	1.8665
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35662.6	1.9000e-004	1.6400e-003	7.0000e-004	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.9031	1.9031	4.0000e-005	3.0000e-005	1.9147
Total		3.8000e-004	3.2400e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7583	3.7583	8.0000e-005	6.0000e-005	3.7812

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	33985.6	25.5342	4.5000e-004	9.0000e-005	25.5723
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	14490.6	10.8872	1.9000e-004	4.0000e-005	10.9034
Total		36.4214	6.4000e-004	1.3000e-004	36.4757

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	33985.6	25.5342	4.5000e-004	9.0000e-005	25.5723
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	14490.6	10.8872	1.9000e-004	4.0000e-005	10.9034
Total		36.4214	6.4000e-004	1.3000e-004	36.4757

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	6.7210	8.4400e-003	0.7630	2.8000e-004		0.0981	0.0981		0.0981	0.0981	9.2966	4.0085	13.3051	8.6900e-003	7.3000e-004	13.7143
Unmitigated	6.7210	8.4400e-003	0.7630	2.8000e-004		0.0981	0.0981		0.0981	0.0981	9.2966	4.0085	13.3051	8.6900e-003	7.3000e-004	13.7143

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	1.4119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.5647	7.6600e-003	0.6957	2.7000e-004		0.0977	0.0977		0.0977	0.0977	9.2966	3.8989	13.1955	8.5800e-003	7.3000e-004	13.6023
Landscaping	2.0700e-003	7.8000e-004	0.0673	0.0000		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	0.1097	0.1097	1.1000e-004	0.0000	0.1119
Total	6.7210	8.4400e-003	0.7630	2.7000e-004		0.0981	0.0981		0.0981	0.0981	9.2966	4.0085	13.3051	8.6900e-003	7.3000e-004	13.7143

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	1.4119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.5647	7.6600e-003	0.6957	2.7000e-004		0.0977	0.0977		0.0977	0.0977	9.2966	3.8989	13.1955	8.5800e-003	7.3000e-004	13.6023
Landscaping	2.0700e-003	7.8000e-004	0.0673	0.0000		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	0.1097	0.1097	1.1000e-004	0.0000	0.1119
Total	6.7210	8.4400e-003	0.7630	2.7000e-004		0.0981	0.0981		0.0981	0.0981	9.2966	4.0085	13.3051	8.6900e-003	7.3000e-004	13.7143

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.5421	0.0192	4.6000e-004	4.0879
Unmitigated	3.5421	0.0192	4.6000e-004	4.0882

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	0.456078 / 0.287528	2.7549	0.0149	3.6000e-004	3.1797
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.130308 / 0.0821507	0.7871	4.2600e-003	1.0000e-004	0.9085
Total		3.5421	0.0192	4.6000e-004	4.0882

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	0.456078 / 0.287528	2.7549	0.0149	3.6000e-004	3.1795
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.130308 / 0.0821507	0.7871	4.2600e-003	1.0000e-004	0.9084
Total		3.5421	0.0192	4.6000e-004	4.0879

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.9581	0.0566	0.0000	2.1472
Unmitigated	0.9581	0.0566	0.0000	2.1472

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	3.22	0.6536	0.0386	0.0000	1.4648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.5	0.3045	0.0180	0.0000	0.6824
Total		0.9581	0.0566	0.0000	2.1472

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	3.22	0.6536	0.0386	0.0000	1.4648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.5	0.3045	0.0180	0.0000	0.6824
Total		0.9581	0.0566	0.0000	2.1472

9.0 Operational Offroad

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

Yreka Greenway Master Plan - Future Master Plan Projects Siskiyou County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	40.00	Acre	40.00	1,742,400.00	0
Mobile Home Park	153.00	Dwelling Unit	4.20	183,600.00	438
Single Family Housing	22.00	Dwelling Unit	1.00	39,600.00	63

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	85
Climate Zone	14			Operational Year	2035
Utility Company	PacifiCorp				
CO2 Intensity (lb/MW hr)	1656.39	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 - Residential units = structures moved. (Single family = residences. Mobile home = sheds, outbuildings, or storage yards)

Construction Phase - Includes creek work and structure movement

Off-road Equipment - Drainage channel and floodplain widening

Off-road Equipment - Moving structures

Trips and VMT - No vendor trips during Structure Movement

Grading -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	740.00	175.00
tblConstructionPhase	NumDays	75.00	740.00
tblGrading	MaterialExported	0.00	422,026.00
tblLandUse	LotAcreage	19.27	4.20
tblLandUse	LotAcreage	7.14	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	0.00	175.00
tblTripsAndVMT	VendorTripNumber	304.00	0.00
tblTripsAndVMT	WorkerTripNumber	850.00	25.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.6071	5.4467	6.2217	8.1000e-003	3.3498	0.2369	3.5867	1.3644	0.2180	1.5824	0.0000	696.7537	696.7537	0.1848	0.0000	700.6337
2021	0.7878	7.0317	8.5283	0.0116	3.3649	0.3030	3.6679	1.3687	0.2787	1.6475	0.0000	998.5087	998.5087	0.2649	0.0000	1,004.0714
2022	0.7042	6.0494	7.9994	0.0116	3.3647	0.2586	3.6232	1.3687	0.2379	1.6065	0.0000	994.7906	994.7906	0.2640	0.0000	1,000.3345
2023	0.1910	1.6930	2.1808	3.5700e-003	3.3491	0.0784	3.4274	1.3637	0.0721	1.4357	0.0000	300.6959	300.6959	0.0828	0.0000	302.4346
Total	2.2900	20.2208	24.9302	0.0349	13.4284	0.8768	14.3052	5.4654	0.8067	6.2721	0.0000	2,990.7490	2,990.7490	0.7964	0.0000	3,007.4742

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	21.0641	0.1639	14.8221	5.3500e-003		1.9077	1.9077		1.9076	1.9076	180.7676	77.9346	258.7022	0.1688	0.0142	266.6556
Energy	6.2100e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	739.3480	739.3480	0.0131	3.5800e-003	740.7326
Mobile	0.8340	3.3728	13.0897	0.0319	1.3584	0.0829	1.4413	0.3682	0.0763	0.4445	0.0000	2,385.4753	2,385.4753	0.0440	0.0000	2,386.3988
Waste						0.0000	0.0000		0.0000	0.0000	17.4836	0.0000	17.4836	1.0333	0.0000	39.1819
Water						0.0000	0.0000		0.0000	0.0000	3.6173	65.2561	68.8735	0.3727	9.0100e-003	79.4924
Total	21.9044	3.5898	27.9343	0.0376	1.3584	1.9948	3.3532	0.3682	1.9882	2.3564	201.8685	3,268.0140	3,469.8826	1.6318	0.0268	3,512.4613

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	21.0641	0.1639	14.8221	5.3500e-003		1.9077	1.9077		1.9076	1.9076	180.7676	77.9346	258.7022	0.1688	0.0142	266.6556
Energy	6.2100e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	739.3480	739.3480	0.0131	3.5800e-003	740.7326
Mobile	0.8340	3.3728	13.0897	0.0319	1.3584	0.0829	1.4413	0.3682	0.0763	0.4445	0.0000	2,385.4753	2,385.4753	0.0440	0.0000	2,386.3988
Waste						0.0000	0.0000		0.0000	0.0000	17.4836	0.0000	17.4836	1.0333	0.0000	39.1819
Water						0.0000	0.0000		0.0000	0.0000	3.6173	65.2561	68.8735	0.3726	9.0000e-003	79.4867
Total	21.9044	3.5898	27.9343	0.0376	1.3584	1.9948	3.3532	0.3682	1.9882	2.3564	201.8685	3,268.0140	3,469.8826	1.6317	0.0268	3,512.4556

	ROG	NOx	CO	SO2	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	0.04	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	Creek Work	Grading	4/22/2020	2/21/2023	5	740	
2	Structure Movement	Building Construction	2/22/2023	10/24/2023	5	175	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Creek Work	Excavators	2	8.00	162	0.38
Creek Work	Graders	1	8.00	174	0.41
Creek Work	Rollers	1	8.00	80	0.38
Creek Work	Rubber Tired Dozers	1	8.00	255	0.40
Creek Work	Rubber Tired Loaders	1	8.00	199	0.36
Creek Work	Scrapers	2	8.00	361	0.48
Creek Work	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structure Movement	Cranes	1	7.00	226	0.29
Structure Movement	Forklifts	3	8.00	89	0.20
Structure Movement	Generator Sets	0	8.00	84	0.74
Structure Movement	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure Movement	Welders	0	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
Creek Work	10	25.00	0.00	52,753.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT
Structure Movement	7	25.00	0.00	175.00	16.80	6.60	5.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Creek Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4664	5.0767	3.8149	6.4100e-003		0.2310	0.2310		0.2125	0.2125	0.0000	563.4307	563.4307	0.1822	0.0000	567.2574
Total	0.4664	5.0767	3.8149	6.4100e-003	3.2330	0.2310	3.4640	1.3343	0.2125	1.5468	0.0000	563.4307	563.4307	0.1822	0.0000	567.2574

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	0.1284	0.3494	2.2234	1.3200e-003	0.0892	5.6500e-003	0.0949	0.0227	5.1900e-003	0.0279	0.0000	109.7189	109.7189	1.0100e-003	0.0000	109.7402
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	0.0123	0.0206	0.1834	3.7000e-004	0.0276	3.0000e-004	0.0279	7.3500e-003	2.7000e-004	7.6200e-003	0.0000	23.6042	23.6042	1.5200e-003	0.0000	23.6361
Total	0.1407	0.3700	2.4068	1.6900e-003	0.1168	5.9500e-003	0.1228	0.0301	5.4600e-003	0.0356	0.0000	133.3230	133.3230	2.5300e-003	0.0000	133.3763

3.2 Creek Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1712	3.4760	3.9323	6.4100e-003		0.1431	0.1431		0.1431	0.1431	0.0000	563.4300	563.4300	0.1822	0.0000	567.2567
Total	0.1712	3.4760	3.9323	6.4100e-003	3.2330	0.1431	3.3761	1.3343	0.1431	1.4774	0.0000	563.4300	563.4300	0.1822	0.0000	567.2567

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	0.1284	0.3494	2.2234	1.3200e-003	0.0892	5.6500e-003	0.0949	0.0227	5.1900e-003	0.0279	0.0000	109.7189	109.7189	1.0100e-003	0.0000	109.7402
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	0.0123	0.0206	0.1834	3.7000e-004	0.0276	3.0000e-004	0.0279	7.3500e-003	2.7000e-004	7.6200e-003	0.0000	23.6042	23.6042	1.5200e-003	0.0000	23.6361
Total	0.1407	0.3700	2.4068	1.6900e-003	0.1168	5.9500e-003	0.1228	0.0301	5.4600e-003	0.0356	0.0000	133.3230	133.3230	2.5300e-003	0.0000	133.3763

3.2 Creek Work - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6160	6.5517	5.2468	9.2000e-003		0.2947	0.2947		0.2711	0.2711	0.0000	808.1736	808.1736	0.2614	0.0000	813.6626
Total	0.6160	6.5517	5.2468	9.2000e-003	3.2330	0.2947	3.5277	1.3343	0.2711	1.6054	0.0000	808.1736	808.1736	0.2614	0.0000	813.6626

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	0.1559	0.4533	3.0469	1.8800e-003	0.0923	7.9000e-003	0.1002	0.0239	7.2700e-003	0.0311	0.0000	157.0489	157.0489	1.4600e-003	0.0000	157.0796
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	0.0160	0.0267	0.2346	5.3000e-004	0.0396	4.1000e-004	0.0400	0.0105	3.8000e-004	0.0109	0.0000	33.2862	33.2862	2.0500e-003	0.0000	33.3293
Total	0.1719	0.4800	3.2815	2.4100e-003	0.1319	8.3100e-003	0.1402	0.0344	7.6500e-003	0.0420	0.0000	190.3351	190.3351	3.5100e-003	0.0000	190.4088

3.2 Creek Work - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2454	4.9848	5.6392	9.2000e-003		0.2052	0.2052		0.2052	0.2052	0.0000	808.1727	808.1727	0.2614	0.0000	813.6616
Total	0.2454	4.9848	5.6392	9.2000e-003	3.2330	0.2052	3.4382	1.3343	0.2052	1.5395	0.0000	808.1727	808.1727	0.2614	0.0000	813.6616

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	0.1559	0.4533	3.0469	1.8800e-003	0.0923	7.9000e-003	0.1002	0.0239	7.2700e-003	0.0311	0.0000	157.0489	157.0489	1.4600e-003	0.0000	157.0796
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	0.0160	0.0267	0.2346	5.3000e-004	0.0396	4.1000e-004	0.0400	0.0105	3.8000e-004	0.0109	0.0000	33.2862	33.2862	2.0500e-003	0.0000	33.3293
Total	0.1719	0.4800	3.2815	2.4100e-003	0.1319	8.3100e-003	0.1402	0.0344	7.6500e-003	0.0420	0.0000	190.3351	190.3351	3.5100e-003	0.0000	190.4088

3.2 Creek Work - 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					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5481	5.6056	4.9994	9.1700e-003		0.2504	0.2504		0.2304	0.2304	0.0000	805.7938	805.7938	0.2606	0.0000	811.2666
Total	0.5481	5.6056	4.9994	9.1700e-003	3.2330	0.2504	3.4834	1.3343	0.2304	1.5647	0.0000	805.7938	805.7938	0.2606	0.0000	811.2666

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	0.1417	0.4197	2.7939	1.8700e-003	0.0923	7.7500e-003	0.1000	0.0238	7.1300e-003	0.0310	0.0000	156.3514	156.3514	1.4700e-003	0.0000	156.3822
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	0.0143	0.0241	0.2061	5.3000e-004	0.0394	3.9000e-004	0.0398	0.0105	3.6000e-004	0.0109	0.0000	32.6454	32.6454	1.9200e-003	0.0000	32.6857
Total	0.1561	0.4438	3.0000	2.4000e-003	0.1317	8.1400e-003	0.1398	0.0343	7.4900e-003	0.0418	0.0000	188.9968	188.9968	3.3900e-003	0.0000	189.0679

3.2 Creek Work - 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					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2445	4.9657	5.6176	9.1700e-003		0.2044	0.2044		0.2044	0.2044	0.0000	805.7928	805.7928	0.2606	0.0000	811.2656
Total	0.2445	4.9657	5.6176	9.1700e-003	3.2330	0.2044	3.4374	1.3343	0.2044	1.5387	0.0000	805.7928	805.7928	0.2606	0.0000	811.2656

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	0.1417	0.4197	2.7939	1.8700e-003	0.0923	7.7500e-003	0.1000	0.0238	7.1300e-003	0.0310	0.0000	156.3514	156.3514	1.4700e-003	0.0000	156.3822
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	0.0143	0.0241	0.2061	5.3000e-004	0.0394	3.9000e-004	0.0398	0.0105	3.6000e-004	0.0109	0.0000	32.6454	32.6454	1.9200e-003	0.0000	32.6857
Total	0.1561	0.4438	3.0000	2.4000e-003	0.1317	8.1400e-003	0.1398	0.0343	7.4900e-003	0.0418	0.0000	188.9968	188.9968	3.3900e-003	0.0000	189.0679

3.2 Creek Work - 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					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0731	0.7243	0.6941	1.3100e-003		0.0320	0.0320		0.0294	0.0294	0.0000	114.6806	114.6806	0.0371	0.0000	115.4595
Total	0.0731	0.7243	0.6941	1.3100e-003	3.2330	0.0320	3.2650	1.3343	0.0294	1.3638	0.0000	114.6806	114.6806	0.0371	0.0000	115.4595

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	0.0182	0.0567	0.3644	2.7000e-004	0.0836	1.0500e-003	0.0846	0.0207	9.7000e-004	0.0217	0.0000	22.2376	22.2376	2.0000e-004	0.0000	22.2419
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	1.8300e-003	3.1100e-003	0.0258	7.0000e-005	5.6100e-003	5.0000e-005	5.6600e-003	1.4900e-003	5.0000e-005	1.5400e-003	0.0000	4.5793	4.5793	2.6000e-004	0.0000	4.5847
Total	0.0200	0.0598	0.3902	3.4000e-004	0.0892	1.1000e-003	0.0903	0.0222	1.0200e-003	0.0232	0.0000	26.8169	26.8169	4.6000e-004	0.0000	26.8266

3.2 Creek Work - 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					3.2330	0.0000	3.2330	1.3343	0.0000	1.3343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.7067	0.7994	1.3100e-003		0.0291	0.0291		0.0291	0.0291	0.0000	114.6804	114.6804	0.0371	0.0000	115.4593
Total	0.0348	0.7067	0.7994	1.3100e-003	3.2330	0.0291	3.2621	1.3343	0.0291	1.3634	0.0000	114.6804	114.6804	0.0371	0.0000	115.4593

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	0.0182	0.0567	0.3644	2.7000e-004	0.0836	1.0500e-003	0.0846	0.0207	9.7000e-004	0.0217	0.0000	22.2376	22.2376	2.0000e-004	0.0000	22.2419
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	1.8300e-003	3.1100e-003	0.0258	7.0000e-005	5.6100e-003	5.0000e-005	5.6600e-003	1.4900e-003	5.0000e-005	1.5400e-003	0.0000	4.5793	4.5793	2.6000e-004	0.0000	4.5847
Total	0.0200	0.0598	0.3902	3.4000e-004	0.0892	1.1000e-003	0.0903	0.0222	1.0200e-003	0.0232	0.0000	26.8169	26.8169	4.6000e-004	0.0000	26.8266

3.3 Structure Movement - 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	0.0880	0.8904	0.9504	1.5500e-003		0.0449	0.0449		0.0413	0.0413	0.0000	136.0641	136.0641	0.0440	0.0000	136.9882
Total	0.0880	0.8904	0.9504	1.5500e-003		0.0449	0.0449		0.0413	0.0413	0.0000	136.0641	136.0641	0.0440	0.0000	136.9882

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2100e-003	3.7600e-003	0.0242	2.0000e-005	3.7000e-004	7.0000e-005	4.4000e-004	1.0000e-004	6.0000e-005	1.7000e-004	0.0000	1.4754	1.4754	1.0000e-005	0.0000	1.4757
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	8.6500e-003	0.0147	0.1219	3.5000e-004	0.0265	2.6000e-004	0.0268	7.0600e-003	2.4000e-004	7.3000e-003	0.0000	21.6590	21.6590	1.2200e-003	0.0000	21.6846
Total	9.8600e-003	0.0185	0.1461	3.7000e-004	0.0269	3.3000e-004	0.0272	7.1600e-003	3.0000e-004	7.4700e-003	0.0000	23.1344	23.1344	1.2300e-003	0.0000	23.1603

3.3 Structure Movement - 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	0.0380	0.8295	1.0730	1.5500e-003		0.0515	0.0515		0.0515	0.0515	0.0000	136.0639	136.0639	0.0440	0.0000	136.9880
Total	0.0380	0.8295	1.0730	1.5500e-003		0.0515	0.0515		0.0515	0.0515	0.0000	136.0639	136.0639	0.0440	0.0000	136.9880

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2100e-003	3.7600e-003	0.0242	2.0000e-005	3.7000e-004	7.0000e-005	4.4000e-004	1.0000e-004	6.0000e-005	1.7000e-004	0.0000	1.4754	1.4754	1.0000e-005	0.0000	1.4757
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	8.6500e-003	0.0147	0.1219	3.5000e-004	0.0265	2.6000e-004	0.0268	7.0600e-003	2.4000e-004	7.3000e-003	0.0000	21.6590	21.6590	1.2200e-003	0.0000	21.6846
Total	9.8600e-003	0.0185	0.1461	3.7000e-004	0.0269	3.3000e-004	0.0272	7.1600e-003	3.0000e-004	7.4700e-003	0.0000	23.1344	23.1344	1.2300e-003	0.0000	23.1603

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8340	3.3728	13.0897	0.0319	1.3584	0.0829	1.4413	0.3682	0.0763	0.4445	0.0000	2,385.475 3	2,385.475 3	0.0440	0.0000	2,386.398 8
Unmitigated	0.8340	3.3728	13.0897	0.0319	1.3584	0.0829	1.4413	0.3682	0.0763	0.4445	0.0000	2,385.475 3	2,385.475 3	0.0440	0.0000	2,386.398 8

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Mobile Home Park	763.47	765.00	667.08	2,788,737	2,788,737
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	210.54	221.76	192.94	779,550	779,550
Total	974.01	986.76	860.02	3,568,286	3,568,286

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
Mobile Home Park	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Single Family Housing	16.80	7.10	7.90	42.30	19.60	38.10	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.263377	0.094099	0.139716	0.127801	0.094387	0.010072	0.012851	0.241760	0.002644	0.001157	0.006459	0.001715	0.003962

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive 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	677.8639	677.8639	0.0119	2.4600e-003	678.8744
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	677.8639	677.8639	0.0119	2.4600e-003	678.8744
NaturalGas Mitigated	6.2100e-003	0.0531	0.0226	3.4000e-004	4.2900e-003	4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	61.4841	61.4841	1.1800e-003	1.1300e-003	61.8582
NaturalGas Unmitigated	6.2100e-003	0.0531	0.0226	3.4000e-004	4.2900e-003	4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	61.4841	61.4841	1.1800e-003	1.1300e-003	61.8582

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					
Single Family Housing	392289	2.1200e-003	0.0181	7.6900e-003	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003	0.0000	20.9340	20.9340	4.0000e-004	3.8000e-004	21.0614
Mobile Home Park	759879	4.1000e-003	0.0350	0.0149	2.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	40.5500	40.5500	7.8000e-004	7.4000e-004	40.7968
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.2200e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	61.4841	61.4841	1.1800e-003	1.1200e-003	61.8582

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					
Single Family Housing	392289	2.1200e-003	0.0181	7.6900e-003	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003	0.0000	20.9340	20.9340	4.0000e-004	3.8000e-004	21.0614
Mobile Home Park	759879	4.1000e-003	0.0350	0.0149	2.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	40.5500	40.5500	7.8000e-004	7.4000e-004	40.7968
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.2200e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	61.4841	61.4841	1.1800e-003	1.1200e-003	61.8582

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	742827	558.1053	9.7700e-003	2.0200e-003	558.9372
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	159396	119.7586	2.1000e-003	4.3000e-004	119.9371
Total		677.8639	0.0119	2.4500e-003	678.8744

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Mobile Home Park	742827	558.1053	9.7700e-003	2.0200e-003	558.9372
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	159396	119.7586	2.1000e-003	4.3000e-004	119.9371
Total		677.8639	0.0119	2.4500e-003	678.8744

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	21.0641	0.1639	14.8221	5.3500e-003		1.9077	1.9077		1.9076	1.9076	180.7676	77.9346	258.7022	0.1688	0.0142	266.6556
Unmitigated	21.0641	0.1639	14.8221	5.3500e-003		1.9077	1.9077		1.9076	1.9076	180.7676	77.9346	258.7022	0.1688	0.0142	266.6556

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	2.3682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.6767					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	10.9806	0.1490	13.5269	5.2800e-003		1.9005	1.9005		1.9004	1.9004	180.7676	75.8113	256.5789	0.1688	0.0142	264.4899
Landscaping	0.0388	0.0149	1.2952	7.0000e-005		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	2.1233	2.1233	2.0200e-003	0.0000	2.1657
Total	21.0641	0.1639	14.8221	5.3500e-003		1.9077	1.9077		1.9076	1.9076	180.7676	77.9345	258.7021	0.1688	0.0142	266.6556

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	2.3682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.6767					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	10.9806	0.1490	13.5269	5.2800e-003		1.9005	1.9005		1.9004	1.9004	180.7676	75.8113	256.5789	0.1668	0.0142	264.4899
Landscaping	0.0388	0.0149	1.2952	7.0000e-005		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	2.1233	2.1233	2.0200e-003	0.0000	2.1657
Total	21.0641	0.1639	14.8221	5.3500e-003		1.9077	1.9077		1.9076	1.9076	180.7676	77.9345	258.7021	0.1688	0.0142	266.6556

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	68.8735	0.3726	9.0000e-003	79.4867
Unmitigated	68.8735	0.3727	9.0100e-003	79.4924

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	9.96857 / 6.28453	60.2151	0.3258	7.8800e-003	69.4991
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.43339 / 0.903658	8.6584	0.0469	1.1300e-003	9.9933
Total		68.8735	0.3727	9.0100e-003	79.4925

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Mobile Home Park	9.96857 / 6.28453	60.2151	0.3258	7.8600e-003	69.4941
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.43339 / 0.903658	8.6584	0.0468	1.1300e-003	9.9926
Total		68.8735	0.3726	8.9900e-003	79.4867

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.4836	1.0333	0.0000	39.1819
Unmitigated	17.4836	1.0333	0.0000	39.1819

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	70.38	14.2865	0.8443	0.0000	32.0170
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	15.75	3.1971	0.1889	0.0000	7.1649
Total		17.4836	1.0333	0.0000	39.1819

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Mobile Home Park	70.38	14.2865	0.8443	0.0000	32.0170
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	15.75	3.1971	0.1889	0.0000	7.1649
Total		17.4836	1.0333	0.0000	39.1819

9.0 Operational Offroad

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