

**Ananda Village: Run 1 - Residential Operational
Nevada County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	108.00	Dwelling Unit	35.06	194,400.00	309

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	80
Climate Zone	1			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	445	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Used PG&E's 2012 CO2 intensity factor rather than 2008 default.

Land Use - No non-default value entered.

Construction Phase - Site preparation = assumed 2 days per home (*108). Grading - assumed 3 days per home. Building - assumed 10 days per home. Paving and architectural coating - assumed 1 day per home. As few as one unit may be constructed at a time. Default assumes all construction will be done at once and therefore defaults are much shorter.

Grading - Default value not changed.

Woodstoves - Updated woodstoves to assume every home would have conventional woodstove.

Landscape Equipment - Assumed 5 snow days - use of snow removal equipment - given elevation of site.

Energy Use - N/A

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Added 15-mile reduction in distance to job center.

Water Mitigation - Ananda encourages turf reduction and in practice has few lawns. Added 50% turf reduction.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	55.00	108.00
tblConstructionPhase	NumDays	740.00	1,080.00
tblConstructionPhase	NumDays	75.00	324.00
tblConstructionPhase	NumDays	55.00	108.00
tblConstructionPhase	NumDays	30.00	216.00
tblConstructionPhase	PhaseEndDate	4/4/2022	1/19/2022
tblConstructionPhase	PhaseEndDate	9/7/2023	9/23/2022
tblConstructionPhase	PhaseEndDate	4/3/2020	7/18/2019
tblConstructionPhase	PhaseEndDate	2/22/2023	11/3/2021
tblConstructionPhase	PhaseStartDate	11/4/2021	8/21/2021
tblConstructionPhase	PhaseStartDate	7/19/2019	8/4/2018
tblConstructionPhase	PhaseStartDate	1/8/2019	4/21/2018
tblConstructionPhase	PhaseStartDate	9/24/2022	6/5/2021
tblGrading	AcresOfGrading	810.00	187.50
tblLandscapeEquipment	NumberSnowDays	0	5
tblProjectCharacteristics	CO2IntensityFactor	641.35	445
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblWoodstoves	NumberConventional	0.00	108.00

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					
2018	1.1043	11.5218	9.0441	0.0121	3.1001	0.5823	3.6824	1.6393	0.5373	2.1766	0.0000	1,080.802 9	1,080.802 9	0.3098	0.0000	1,087.308 9
2019	0.7113	6.8719	5.8396	9.2700e-003	3.1151	0.3545	3.4695	1.6434	0.3295	1.9729	0.0000	801.6289	801.6289	0.2057	0.0000	805.9486
2020	0.3084	2.6229	2.7021	4.5700e-003	0.0713	0.1477	0.2190	0.0192	0.1389	0.1580	0.0000	376.9623	376.9623	0.0760	0.0000	378.5574
2021	3.0327	3.1264	3.5463	6.0600e-003	0.0855	0.1668	0.2523	0.0230	0.1564	0.1793	0.0000	503.1942	503.1942	0.1103	0.0000	505.5098
2022	0.5499	1.5514	1.8946	3.3400e-003	0.0523	0.0783	0.1306	0.0141	0.0737	0.0878	0.0000	274.4825	274.4825	0.0541	0.0000	275.6191
Total	5.7066	25.6943	23.0267	0.0353	6.4243	1.3296	7.7539	3.3388	1.2357	4.5746	0.0000	3,037.070 8	3,037.070 8	0.7559	0.0000	3,052.943 9

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	12.1850	0.3297	27.9838	0.0359		3.6719	3.6719		3.6719	3.6719	329.8665	48.1327	377.9992	2.3228	8.7700e-003	429.4982
Energy	0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	260.7118	260.7118	0.0123	4.0100e-003	262.2135
Mobile	0.6110	1.7909	7.0621	0.0242	1.4236	0.0422	1.4658	0.3832	0.0389	0.4221	0.0000	1,686.140 4	1,686.140 4	0.0344	0.0000	1,686.863 1
Waste						0.0000	0.0000		0.0000	0.0000	15.6811	0.0000	15.6811	0.9267	0.0000	35.1423
Water						0.0000	0.0000		0.0000	0.0000	2.2324	10.8194	13.0518	0.2300	5.5600e-003	19.6053
Total	12.8063	2.2093	35.0836	0.0607	1.4236	3.7213	5.1449	0.3832	3.7179	4.1011	347.7799	2,005.804 3	2,353.584 2	3.5262	0.0183	2,433.322 3

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	12.1850	0.3297	27.9838	0.0359		3.6719	3.6719		3.6719	3.6719	329.8665	48.1327	377.9992	2.3228	8.7700e-003	429.4982
Energy	0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	260.7118	260.7118	0.0123	4.0100e-003	262.2135
Mobile	0.6086	1.7774	7.0269	0.0240	1.4101	0.0418	1.4519	0.3796	0.0386	0.4181	0.0000	1,670.5238	1,670.5238	0.0341	0.0000	1,671.2402
Waste						0.0000	0.0000		0.0000	0.0000	15.6811	0.0000	15.6811	0.9267	0.0000	35.1423
Water						0.0000	0.0000		0.0000	0.0000	2.2324	10.8194	13.0518	0.2300	5.5500e-003	19.6017
Total	12.8039	2.1958	35.0484	0.0604	1.4101	3.7209	5.1310	0.3796	3.7176	4.0971	347.7799	1,990.1877	2,337.9676	3.5258	0.0183	2,417.6959

	ROG	NOx	CO	SO2	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	0.02	0.61	0.10	0.38	0.95	0.01	0.27	0.95	0.01	0.10	0.00	0.78	0.66	0.01	0.05	0.64

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	- 3,885.000 0
Total	- 3,885.000 0

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	3/10/2018	1/7/2019	5	216	
2	Grading	Grading	4/21/2018	7/18/2019	5	324	
3	Building Construction	Building Construction	8/4/2018	9/23/2022	5	1080	
4	Paving	Paving	6/5/2021	11/3/2021	5	108	
5	Architectural Coating	Architectural Coating	8/21/2021	1/19/2022	5	108	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 393,660; Residential Outdoor: 131,220; 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
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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
Building Construction	9	39.00	12.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

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					1.9512	0.0000	1.9512	1.0725	0.0000	1.0725	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4528	4.8117	3.8228	4.1300e-003		0.2496	0.2496		0.2296	0.2296	0.0000	377.0678	377.0678	0.1174	0.0000	379.5329
Total	0.4528	4.8117	3.8228	4.1300e-003	1.9512	0.2496	2.2007	1.0725	0.2296	1.3021	0.0000	377.0678	377.0678	0.1174	0.0000	379.5329

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0400e-003	0.0129	0.1112	2.7000e-004	0.0231	1.6000e-004	0.0233	6.1500e-003	1.5000e-004	6.3000e-003	0.0000	18.3895	18.3895	9.3000e-004	0.0000	18.4090
Total	7.0400e-003	0.0129	0.1112	2.7000e-004	0.0231	1.6000e-004	0.0233	6.1500e-003	1.5000e-004	6.3000e-003	0.0000	18.3895	18.3895	9.3000e-004	0.0000	18.4090

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					1.9512	0.0000	1.9512	1.0725	0.0000	1.0725	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4528	4.8117	3.8227	4.1300e-003		0.2496	0.2496		0.2296	0.2296	0.0000	377.0673	377.0673	0.1174	0.0000	379.5324
Total	0.4528	4.8117	3.8227	4.1300e-003	1.9512	0.2496	2.2007	1.0725	0.2296	1.3021	0.0000	377.0673	377.0673	0.1174	0.0000	379.5324

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0400e-003	0.0129	0.1112	2.7000e-004	0.0231	1.6000e-004	0.0233	6.1500e-003	1.5000e-004	6.3000e-003	0.0000	18.3895	18.3895	9.3000e-004	0.0000	18.4090
Total	7.0400e-003	0.0129	0.1112	2.7000e-004	0.0231	1.6000e-004	0.0233	6.1500e-003	1.5000e-004	6.3000e-003	0.0000	18.3895	18.3895	9.3000e-004	0.0000	18.4090

3.2 Site Preparation - 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					1.9512	0.0000	1.9512	1.0725	0.0000	1.0725	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1063	0.0870	1.0000e-004		5.3800e-003	5.3800e-003		4.9500e-003	4.9500e-003	0.0000	8.7923	8.7923	2.7800e-003	0.0000	8.8507
Total	0.0101	0.1063	0.0870	1.0000e-004	1.9512	5.3800e-003	1.9565	1.0725	4.9500e-003	1.0775	0.0000	8.7923	8.7923	2.7800e-003	0.0000	8.8507

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	1.4000e-004	2.7000e-004	2.3200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4200	0.4200	2.0000e-005	0.0000	0.4204
Total	1.4000e-004	2.7000e-004	2.3200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4200	0.4200	2.0000e-005	0.0000	0.4204

3.2 Site Preparation - 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					1.9512	0.0000	1.9512	1.0725	0.0000	1.0725	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1063	0.0870	1.0000e-004		5.3800e-003	5.3800e-003		4.9500e-003	4.9500e-003	0.0000	8.7923	8.7923	2.7800e-003	0.0000	8.8507
Total	0.0101	0.1063	0.0870	1.0000e-004	1.9512	5.3800e-003	1.9565	1.0725	4.9500e-003	1.0775	0.0000	8.7923	8.7923	2.7800e-003	0.0000	8.8507

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	1.4000e-004	2.7000e-004	2.3200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4200	0.4200	2.0000e-005	0.0000	0.4204
Total	1.4000e-004	2.7000e-004	2.3200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4200	0.4200	2.0000e-005	0.0000	0.4204

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					1.0750	0.0000	1.0750	0.5470	0.0000	0.5470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4787	5.3878	3.8288	5.5900e-003		0.2523	0.2523		0.2321	0.2321	0.0000	510.0726	510.0726	0.1588	0.0000	513.4072
Total	0.4787	5.3878	3.8288	5.5900e-003	1.0750	0.2523	1.3273	0.5470	0.2321	0.7791	0.0000	510.0726	510.0726	0.1588	0.0000	513.4072

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7100e-003	0.0123	0.1060	2.5000e-004	0.0220	1.6000e-004	0.0222	5.8600e-003	1.4000e-004	6.0000e-003	0.0000	17.5276	17.5276	8.9000e-004	0.0000	17.5462
Total	6.7100e-003	0.0123	0.1060	2.5000e-004	0.0220	1.6000e-004	0.0222	5.8600e-003	1.4000e-004	6.0000e-003	0.0000	17.5276	17.5276	8.9000e-004	0.0000	17.5462

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					1.0750	0.0000	1.0750	0.5470	0.0000	0.5470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4787	5.3878	3.8288	5.5900e-003		0.2523	0.2523		0.2321	0.2321	0.0000	510.0720	510.0720	0.1588	0.0000	513.4066
Total	0.4787	5.3878	3.8288	5.5900e-003	1.0750	0.2523	1.3273	0.5470	0.2321	0.7791	0.0000	510.0720	510.0720	0.1588	0.0000	513.4066

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7100e-003	0.0123	0.1060	2.5000e-004	0.0220	1.6000e-004	0.0222	5.8600e-003	1.4000e-004	6.0000e-003	0.0000	17.5276	17.5276	8.9000e-004	0.0000	17.5462
Total	6.7100e-003	0.0123	0.1060	2.5000e-004	0.0220	1.6000e-004	0.0222	5.8600e-003	1.4000e-004	6.0000e-003	0.0000	17.5276	17.5276	8.9000e-004	0.0000	17.5462

3.3 Grading - 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					1.0750	0.0000	1.0750	0.5470	0.0000	0.5470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3497	3.8751	2.8807	4.4100e-003		0.1791	0.1791		0.1648	0.1648	0.0000	396.4024	396.4024	0.1254	0.0000	399.0361
Total	0.3497	3.8751	2.8807	4.4100e-003	1.0750	0.1791	1.2541	0.5470	0.1648	0.7118	0.0000	396.4024	396.4024	0.1254	0.0000	399.0361

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	4.5700e-003	8.6600e-003	0.0736	2.0000e-004	0.0174	1.2000e-004	0.0175	4.6300e-003	1.1000e-004	4.7400e-003	0.0000	13.3463	13.3463	6.4000e-004	0.0000	13.3597
Total	4.5700e-003	8.6600e-003	0.0736	2.0000e-004	0.0174	1.2000e-004	0.0175	4.6300e-003	1.1000e-004	4.7400e-003	0.0000	13.3463	13.3463	6.4000e-004	0.0000	13.3597

3.3 Grading - 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					1.0750	0.0000	1.0750	0.5470	0.0000	0.5470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3497	3.8751	2.8807	4.4100e-003		0.1791	0.1791		0.1648	0.1648	0.0000	396.4019	396.4019	0.1254	0.0000	399.0357
Total	0.3497	3.8751	2.8807	4.4100e-003	1.0750	0.1791	1.2541	0.5470	0.1648	0.7118	0.0000	396.4019	396.4019	0.1254	0.0000	399.0357

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	4.5700e-003	8.6600e-003	0.0736	2.0000e-004	0.0174	1.2000e-004	0.0175	4.6300e-003	1.1000e-004	4.7400e-003	0.0000	13.3463	13.3463	6.4000e-004	0.0000	13.3597
Total	4.5700e-003	8.6600e-003	0.0736	2.0000e-004	0.0174	1.2000e-004	0.0175	4.6300e-003	1.1000e-004	4.7400e-003	0.0000	13.3463	13.3463	6.4000e-004	0.0000	13.3597

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1414	1.2328	0.9292	1.4200e-003		0.0792	0.0792		0.0745	0.0745	0.0000	125.4879	125.4879	0.0307	0.0000	126.1328
Total	0.1414	1.2328	0.9292	1.4200e-003		0.0792	0.0792		0.0745	0.0745	0.0000	125.4879	125.4879	0.0307	0.0000	126.1328

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	9.9600e-003	0.0501	0.1250	1.4000e-004	3.6900e-003	7.5000e-004	4.4400e-003	1.0600e-003	6.9000e-004	1.7500e-003	0.0000	12.2412	12.2412	1.0000e-004	0.0000	12.2432
Worker	7.6600e-003	0.0141	0.1211	2.9000e-004	0.0251	1.8000e-004	0.0253	6.6900e-003	1.6000e-004	6.8600e-003	0.0000	20.0163	20.0163	1.0100e-003	0.0000	20.0376
Total	0.0176	0.0642	0.2460	4.3000e-004	0.0288	9.3000e-004	0.0298	7.7500e-003	8.5000e-004	8.6100e-003	0.0000	32.2576	32.2576	1.1100e-003	0.0000	32.2808

3.4 Building Construction - 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	0.1414	1.2328	0.9292	1.4200e-003		0.0792	0.0792		0.0745	0.0745	0.0000	125.4878	125.4878	0.0307	0.0000	126.1327
Total	0.1414	1.2328	0.9292	1.4200e-003		0.0792	0.0792		0.0745	0.0745	0.0000	125.4878	125.4878	0.0307	0.0000	126.1327

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	9.9600e-003	0.0501	0.1250	1.4000e-004	3.6900e-003	7.5000e-004	4.4400e-003	1.0600e-003	6.9000e-004	1.7500e-003	0.0000	12.2412	12.2412	1.0000e-004	0.0000	12.2432
Worker	7.6600e-003	0.0141	0.1211	2.9000e-004	0.0251	1.8000e-004	0.0253	6.6900e-003	1.6000e-004	6.8600e-003	0.0000	20.0163	20.0163	1.0100e-003	0.0000	20.0376
Total	0.0176	0.0642	0.2460	4.3000e-004	0.0288	9.3000e-004	0.0298	7.7500e-003	8.5000e-004	8.6100e-003	0.0000	32.2576	32.2576	1.1100e-003	0.0000	32.2808

3.4 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	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5302	305.5302	0.0743	0.0000	307.0913
Total	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5302	305.5302	0.0743	0.0000	307.0913

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	0.0236	0.1148	0.3000	3.4000e-004	9.0900e-003	1.7300e-003	0.0108	2.6200e-003	1.5800e-003	4.2000e-003	0.0000	29.6373	29.6373	2.3000e-004	0.0000	29.6421
Worker	0.0163	0.0308	0.2619	7.1000e-004	0.0619	4.2000e-004	0.0623	0.0165	3.9000e-004	0.0169	0.0000	47.5005	47.5005	2.2700e-003	0.0000	47.5483
Total	0.0399	0.1456	0.5618	1.0500e-003	0.0710	2.1500e-003	0.0732	0.0191	1.9700e-003	0.0211	0.0000	77.1378	77.1378	2.5000e-003	0.0000	77.1904

3.4 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	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5299	305.5299	0.0743	0.0000	307.0909
Total	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5299	305.5299	0.0743	0.0000	307.0909

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	0.0236	0.1148	0.3000	3.4000e-004	9.0900e-003	1.7300e-003	0.0108	2.6200e-003	1.5800e-003	4.2000e-003	0.0000	29.6373	29.6373	2.3000e-004	0.0000	29.6421
Worker	0.0163	0.0308	0.2619	7.1000e-004	0.0619	4.2000e-004	0.0623	0.0165	3.9000e-004	0.0169	0.0000	47.5005	47.5005	2.2700e-003	0.0000	47.5483
Total	0.0399	0.1456	0.5618	1.0500e-003	0.0710	2.1500e-003	0.0732	0.0191	1.9700e-003	0.0211	0.0000	77.1378	77.1378	2.5000e-003	0.0000	77.1904

3.4 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973
Total	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973

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	0.0172	0.0948	0.2635	3.4000e-004	9.1200e-003	1.4900e-003	0.0106	2.6300e-003	1.3800e-003	4.0000e-003	0.0000	29.0287	29.0287	2.2000e-004	0.0000	29.0333
Worker	0.0146	0.0281	0.2367	7.1000e-004	0.0622	4.2000e-004	0.0626	0.0165	3.9000e-004	0.0169	0.0000	45.7823	45.7823	2.1200e-003	0.0000	45.8269
Total	0.0318	0.1229	0.5002	1.0500e-003	0.0713	1.9100e-003	0.0732	0.0192	1.7700e-003	0.0209	0.0000	74.8110	74.8110	2.3400e-003	0.0000	74.8602

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969
Total	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969

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	0.0172	0.0948	0.2635	3.4000e-004	9.1200e-003	1.4900e-003	0.0106	2.6300e-003	1.3800e-003	4.0000e-003	0.0000	29.0287	29.0287	2.2000e-004	0.0000	29.0333
Worker	0.0146	0.0281	0.2367	7.1000e-004	0.0622	4.2000e-004	0.0626	0.0165	3.9000e-004	0.0169	0.0000	45.7823	45.7823	2.1200e-003	0.0000	45.8269
Total	0.0318	0.1229	0.5002	1.0500e-003	0.0713	1.9100e-003	0.0732	0.0192	1.7700e-003	0.0209	0.0000	74.8110	74.8110	2.3400e-003	0.0000	74.8602

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

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	0.0171	0.0754	0.2574	3.4000e-004	9.0900e-003	1.3200e-003	0.0104	2.6200e-003	1.2100e-003	3.8300e-003	0.0000	28.8711	28.8711	2.2000e-004	0.0000	28.8756
Worker	0.0135	0.0259	0.2183	7.1000e-004	0.0619	4.1000e-004	0.0623	0.0165	3.8000e-004	0.0169	0.0000	44.8486	44.8486	2.0000e-003	0.0000	44.8907
Total	0.0307	0.1013	0.4757	1.0500e-003	0.0710	1.7300e-003	0.0727	0.0191	1.5900e-003	0.0207	0.0000	73.7197	73.7197	2.2200e-003	0.0000	73.7663

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

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	0.0171	0.0754	0.2574	3.4000e-004	9.0900e-003	1.3200e-003	0.0104	2.6200e-003	1.2100e-003	3.8300e-003	0.0000	28.8711	28.8711	2.2000e-004	0.0000	28.8756
Worker	0.0135	0.0259	0.2183	7.1000e-004	0.0619	4.1000e-004	0.0623	0.0165	3.8000e-004	0.0169	0.0000	44.8486	44.8486	2.0000e-003	0.0000	44.8907
Total	0.0307	0.1013	0.4757	1.0500e-003	0.0710	1.7300e-003	0.0727	0.0191	1.5900e-003	0.0207	0.0000	73.7197	73.7197	2.2200e-003	0.0000	73.7663

3.4 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1614	1.4760	1.5511	2.5500e-003		0.0765	0.0765		0.0720	0.0720	0.0000	219.2268	219.2268	0.0524	0.0000	220.3282
Total	0.1614	1.4760	1.5511	2.5500e-003		0.0765	0.0765		0.0720	0.0720	0.0000	219.2268	219.2268	0.0524	0.0000	220.3282

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	0.0117	0.0485	0.1817	2.5000e-004	6.6200e-003	9.4000e-004	7.5600e-003	1.9100e-003	8.7000e-004	2.7700e-003	0.0000	20.9959	20.9959	1.6000e-004	0.0000	20.9993
Worker	9.2100e-003	0.0176	0.1480	5.2000e-004	0.0451	3.0000e-004	0.0454	0.0120	2.8000e-004	0.0123	0.0000	32.1490	32.1490	1.3900e-003	0.0000	32.1781
Total	0.0209	0.0660	0.3297	7.7000e-004	0.0517	1.2400e-003	0.0529	0.0139	1.1500e-003	0.0150	0.0000	53.1449	53.1449	1.5500e-003	0.0000	53.1774

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1614	1.4760	1.5511	2.5500e-003		0.0765	0.0765		0.0720	0.0720	0.0000	219.2266	219.2266	0.0524	0.0000	220.3279
Total	0.1614	1.4760	1.5511	2.5500e-003		0.0765	0.0765		0.0720	0.0720	0.0000	219.2266	219.2266	0.0524	0.0000	220.3279

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	0.0117	0.0485	0.1817	2.5000e-004	6.6200e-003	9.4000e-004	7.5600e-003	1.9100e-003	8.7000e-004	2.7700e-003	0.0000	20.9959	20.9959	1.6000e-004	0.0000	20.9993
Worker	9.2100e-003	0.0176	0.1480	5.2000e-004	0.0451	3.0000e-004	0.0454	0.0120	2.8000e-004	0.0123	0.0000	32.1490	32.1490	1.3900e-003	0.0000	32.1781
Total	0.0209	0.0660	0.3297	7.7000e-004	0.0517	1.2400e-003	0.0529	0.0139	1.1500e-003	0.0150	0.0000	53.1449	53.1449	1.5500e-003	0.0000	53.1774

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0665	0.6837	0.7751	1.2000e-003		0.0359	0.0359		0.0331	0.0331	0.0000	105.8264	105.8264	0.0342	0.0000	106.5452
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0665	0.6837	0.7751	1.2000e-003		0.0359	0.0359		0.0331	0.0331	0.0000	105.8264	105.8264	0.0342	0.0000	106.5452

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	2.1500e-003	4.1200e-003	0.0348	1.1000e-004	9.8500e-003	7.0000e-005	9.9200e-003	2.6200e-003	6.0000e-005	2.6800e-003	0.0000	7.1377	7.1377	3.2000e-004	0.0000	7.1444
Total	2.1500e-003	4.1200e-003	0.0348	1.1000e-004	9.8500e-003	7.0000e-005	9.9200e-003	2.6200e-003	6.0000e-005	2.6800e-003	0.0000	7.1377	7.1377	3.2000e-004	0.0000	7.1444

3.5 Paving - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0665	0.6837	0.7751	1.2000e-003		0.0359	0.0359		0.0331	0.0331	0.0000	105.8263	105.8263	0.0342	0.0000	106.5451
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0665	0.6837	0.7751	1.2000e-003		0.0359	0.0359		0.0331	0.0331	0.0000	105.8263	105.8263	0.0342	0.0000	106.5451

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	2.1500e-003	4.1200e-003	0.0348	1.1000e-004	9.8500e-003	7.0000e-005	9.9200e-003	2.6200e-003	6.0000e-005	2.6800e-003	0.0000	7.1377	7.1377	3.2000e-004	0.0000	7.1444
Total	2.1500e-003	4.1200e-003	0.0348	1.1000e-004	9.8500e-003	7.0000e-005	9.9200e-003	2.6200e-003	6.0000e-005	2.6800e-003	0.0000	7.1377	7.1377	3.2000e-004	0.0000	7.1444

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0725	0.0863	1.4000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	12.1280	12.1280	8.3000e-004	0.0000	12.1454
Total	2.6854	0.0725	0.0863	1.4000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	12.1280	12.1280	8.3000e-004	0.0000	12.1454

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	1.0100e-003	1.9300e-003	0.0163	5.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.3486	3.3486	1.5000e-004	0.0000	3.3517
Total	1.0100e-003	1.9300e-003	0.0163	5.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.3486	3.3486	1.5000e-004	0.0000	3.3517

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0725	0.0863	1.4000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	12.1279	12.1279	8.3000e-004	0.0000	12.1454
Total	2.6854	0.0725	0.0863	1.4000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	12.1279	12.1279	8.3000e-004	0.0000	12.1454

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	1.0100e-003	1.9300e-003	0.0163	5.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.3486	3.3486	1.5000e-004	0.0000	3.3517
Total	1.0100e-003	1.9300e-003	0.0163	5.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.3486	3.3486	1.5000e-004	0.0000	3.3517

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3661					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3300e-003	9.1600e-003	0.0118	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6619
Total	0.3674	9.1600e-003	0.0118	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6619

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	1.3000e-004	2.5000e-004	2.0800e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4512	0.4512	2.0000e-005	0.0000	0.4516
Total	1.3000e-004	2.5000e-004	2.0800e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4512	0.4512	2.0000e-005	0.0000	0.4516

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3661					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3300e-003	9.1600e-003	0.0118	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6619
Total	0.3674	9.1600e-003	0.0118	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6619

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	1.3000e-004	2.5000e-004	2.0800e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4512	0.4512	2.0000e-005	0.0000	0.4516
Total	1.3000e-004	2.5000e-004	2.0800e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4512	0.4512	2.0000e-005	0.0000	0.4516

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6086	1.7774	7.0269	0.0240	1.4101	0.0418	1.4519	0.3796	0.0386	0.4181	0.0000	1,670.5238	1,670.5238	0.0341	0.0000	1,671.2402
Unmitigated	0.6110	1.7909	7.0621	0.0242	1.4236	0.0422	1.4658	0.3832	0.0389	0.4221	0.0000	1,686.1404	1,686.1404	0.0344	0.0000	1,686.8631

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,033.56	1,088.64	947.16	3,826,881	3,790,506
Total	1,033.56	1,088.64	947.16	3,826,881	3,790,506

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
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
0.335306	0.054873	0.250255	0.147783	0.078399	0.009514	0.021129	0.084972	0.001775	0.000542	0.009904	0.000540	0.005008

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	157.9448	157.9448	0.0103	2.1300e-003	158.8211
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	157.9448	157.9448	0.0103	2.1300e-003	158.8211
NaturalGas Mitigated	0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	102.7670	102.7670	1.9700e-003	1.8800e-003	103.3924
NaturalGas Unmitigated	0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	102.7670	102.7670	1.9700e-003	1.8800e-003	103.3924

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	1.92578e+006	0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	102.7670	102.7670	1.9700e-003	1.8800e-003	103.3924
Total		0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	102.7670	102.7670	1.9700e-003	1.8800e-003	103.3924

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	1.92578e+006	0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	102.7670	102.7670	1.9700e-003	1.8800e-003	103.3924
Total		0.0104	0.0887	0.0378	5.7000e-004		7.1700e-003	7.1700e-003		7.1700e-003	7.1700e-003	0.0000	102.7670	102.7670	1.9700e-003	1.8800e-003	103.3924

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	782491	157.9448	0.0103	2.1300e-003	158.8211
Total		157.9448	0.0103	2.1300e-003	158.8211

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	782491	157.9448	0.0103	2.1300e-003	158.8211
Total		157.9448	0.0103	2.1300e-003	158.8211

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	12.1850	0.3297	27.9838	0.0359		3.6719	3.6719		3.6719	3.6719	329.8665	48.1327	377.9992	2.3228	8.7700e-003	429.4982
Unmitigated	12.1850	0.3297	27.9838	0.0359		3.6719	3.6719		3.6719	3.6719	329.8665	48.1327	377.9992	2.3228	8.7700e-003	429.4982

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	0.3041					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	11.0971	0.3202	27.1625	0.0359		3.6673	3.6673		3.6673	3.6673	329.8665	46.7864	376.6529	2.3215	8.7700e-003	428.1250
Landscaping	0.0246	9.4800e-003	0.8213	4.0000e-005		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	1.3463	1.3463	1.2800e-003	0.0000	1.3732
Total	12.1850	0.3297	27.9838	0.0359		3.6719	3.6719		3.6719	3.6719	329.8665	48.1327	377.9992	2.3228	8.7700e-003	429.4982

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	0.3041					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	11.0971	0.3202	27.1625	0.0359		3.6673	3.6673		3.6673	3.6673	329.8665	46.7864	376.6529	2.3215	8.7700e-003	428.1250
Landscaping	0.0246	9.4800e-003	0.8213	4.0000e-005		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	1.3463	1.3463	1.2800e-003	0.0000	1.3732
Total	12.1850	0.3297	27.9838	0.0359		3.6719	3.6719		3.6719	3.6719	329.8665	48.1327	377.9992	2.3228	8.7700e-003	429.4982

7.0 Water Detail

7.1 Mitigation Measures Water

Turf Reduction

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.0518	0.2300	5.5500e-003	19.6017
Unmitigated	13.0518	0.2300	5.5600e-003	19.6053

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	7.03663 / 4.43614	13.0518	0.2300	5.5600e-003	19.6053
Total		13.0518	0.2300	5.5600e-003	19.6053

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	7.03663 / 4.43614	13.0518	0.2300	5.5500e-003	19.6017
Total		13.0518	0.2300	5.5500e-003	19.6017

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.6811	0.9267	0.0000	35.1423
Unmitigated	15.6811	0.9267	0.0000	35.1423

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	77.25	15.6811	0.9267	0.0000	35.1423
Total		15.6811	0.9267	0.0000	35.1423

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	77.25	15.6811	0.9267	0.0000	35.1423
Total		15.6811	0.9267	0.0000	35.1423

9.0 Operational Offroad

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

10.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-	0.0000	0.0000	-
	3,885.000			3,885.000
	0			0

10.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Trees	35 / 0	-	0.0000	0.0000	-
		3,885.000			3,885.000
		0			0
Total		-	0.0000	0.0000	-
		3,885.000			3,885.000
		0			0