

Unmitigated Safari Highland Ranch Project - San Diego County, Annual

**Unmitigated Safari Highland Ranch Project
San Diego County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	6.85	1000sqft	0.16	6,850.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
City Park	13.30	Acre	13.30	579,348.00	0
Health Club	7.50	1000sqft	0.17	7,500.00	0
Single Family Housing	550.00	Dwelling Unit	350.30	990,000.00	1573

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2025
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 - Lot acreage per project applicant. Land use types are as follows: fire station (government office building); soft surface trails, private pocket roads, and private recreation area (city park); and recreational center building (health club)

Construction Phase - Unmitigated Operational Only - No Construction

Off-road Equipment -

Trips and VMT - Per construction questionnaire.

Demolition -

Grading - Per construction questionnaire.

Architectural Coating - No parking lots in Phases 2-4.

Vehicle Trips - per Traffic Report.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Per SDAPCD Rule 55.

Mobile Land Use Mitigation -

Energy Mitigation - Reductions per Title 24 and RPS.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	240.00	0.00
tblFleetMix	FleetMixLandUseSubType	Government Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Government Office Building
tblFleetMix	FleetMixLandUseSubType	City Park	Health Club
tblFleetMix	FleetMixLandUseSubType	Health Club	Parking Lot
tblLandUse	LotAcreage	178.57	350.30
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	14.19
tblVehicleTrips	CC_TL	7.30	14.19
tblVehicleTrips	CNW_TL	7.30	14.19
tblVehicleTrips	CNW_TL	7.30	14.19
tblVehicleTrips	CW_TL	9.50	14.19

tblVehicleTrips	CW_TL	9.50	14.19
tblVehicleTrips	HO_TL	7.50	14.19
tblVehicleTrips	HS_TL	7.30	14.19
tblVehicleTrips	HW_TL	10.80	14.19
tblVehicleTrips	ST_TR	22.75	2.80
tblVehicleTrips	ST_TR	0.00	20.15
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.91	10.43
tblVehicleTrips	SU_TR	16.74	2.80
tblVehicleTrips	SU_TR	0.00	20.15
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	8.62	10.43
tblVehicleTrips	WD_TR	1.89	2.80
tblVehicleTrips	WD_TR	68.93	20.15
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	9.52	10.43

2.0 Emissions Summary

*Note: no construction this run, operations only

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	40.1305	0.7210	46.6796	0.0774		5.9955	5.9955		5.9955	5.9955	568.1267	244.9354	813.0622	0.5307	0.0447	839.6459
Energy	0.0857	0.7332	0.3166	4.6800e-003		0.0592	0.0592		0.0592	0.0592	0.0000	2,469.6914	2,469.6914	0.0815	0.0291	2,480.3877

Mobile	1.7610	7.5555	24.8059	0.1004	10.1200	0.0771	10.1971	2.7095	0.0717	2.7812	0.0000	9,291.0574	9,291.0574	0.4358	0.0000	9,301.9514
Waste						0.0000	0.0000		0.0000	0.0000	141.1173	0.0000	141.1173	8.3398	0.0000	349.6121
Water						0.0000	0.0000		0.0000	0.0000	11.9412	303.7470	315.6881	1.2387	0.0315	356.0393
Total	41.9772	9.0096	71.8020	0.1825	10.1200	6.1318	16.2518	2.7095	6.1264	8.8359	721.1852	12,309.4312	13,030.6164	10.6265	0.1052	13,327.6364

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	40.1305	0.7210	46.6796	0.0774		5.9955	5.9955		5.9955	5.9955	568.1267	244.9354	813.0622	0.5307	0.0447	839.6459
Energy	0.0558	0.4777	0.2067	3.0500e-003		0.0386	0.0386		0.0386	0.0386	0.0000	1,902.4235	1,902.4235	0.0649	0.0214	1,910.4154
Mobile	1.7514	7.5075	24.5948	0.0995	10.0188	0.0764	10.0952	2.6824	0.0711	2.7534	0.0000	9,201.7880	9,201.7880	0.4319	0.0000	9,212.5861
Waste						0.0000	0.0000		0.0000	0.0000	70.5586	0.0000	70.5586	4.1699	0.0000	174.8061
Water						0.0000	0.0000		0.0000	0.0000	9.5529	262.9550	272.5079	0.9918	0.0254	304.8585
Total	41.9377	8.7061	71.4810	0.1799	10.0188	6.1104	16.1292	2.6824	6.1051	8.7875	648.2383	11,612.1019	12,260.3402	6.1892	0.0914	12,442.3119

	ROG	NOx	CO	SO2	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	0.09	3.37	0.45	1.42	1.00	0.35	0.75	1.00	0.35	0.55	10.11	5.67	5.91	41.76	13.12	6.64

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	1.7514	7.5075	24.5948	0.0995	10.0188	0.0764	10.0952	2.6824	0.0711	2.7534	0.0000	9,201.7880	9,201.7880	0.4319	0.0000	9,212.5861
Unmitigated	1.7610	7.5555	24.8059	0.1004	10.1200	0.0771	10.1971	2.7095	0.0717	2.7812	0.0000	9,291.0574	9,291.0574	0.4358	0.0000	9,301.9514

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	37.24	37.24	37.24	140,497	139,092
Government Office Building	138.03	138.03	138.03	417,870	413,692
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	5,736.50	5,736.50	5,736.50	26,302,836	26,039,808
Total	5,911.77	5,911.77	5,911.77	26,861,204	26,592,592

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
City Park	14.19	14.19	14.19	33.00	48.00	19.00	66	28	6
Government Office Building	14.19	14.19	14.19	33.00	62.00	5.00	50	34	16
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	14.19	14.19	14.19	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Government Office Building	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

Health Club	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Parking Lot	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Single Family Housing	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,349.8029	1,349.8029	0.0543	0.0112	1,354.5108
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,621.3842	1,621.3842	0.0653	0.0135	1,627.0394
NaturalGas Mitigated	0.0558	0.4777	0.2067	3.0500e-003		0.0386	0.0386		0.0386	0.0386	0.0000	552.6206	552.6206	0.0106	0.0101	555.9045
NaturalGas Unmitigated	0.0857	0.7332	0.3166	4.6800e-003		0.0592	0.0592		0.0592	0.0592	0.0000	848.3072	848.3072	0.0163	0.0156	853.3483

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
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Land Use	kBTU/yr	tons/yr									MT/yr					
City Park	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
Government Office Building	138850	7.5000e-004	6.8100e-003	5.7200e-003	4.0000e-005	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	5.2000e-004	0.0000	7.4095	7.4095	1.4000e-004	1.4000e-004	7.4536
Health Club	86925	4.7000e-004	4.2600e-003	3.5800e-003	3.0000e-005	3.2000e-004	3.2000e-004	3.2000e-004	3.2000e-004	3.2000e-004	0.0000	4.6387	4.6387	9.0000e-005	9.0000e-005	4.6662
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.56709e+007	0.0845	0.7221	0.3073	4.6100e-003	0.0584	0.0584	0.0584	0.0584	0.0584	0.0000	836.2590	836.2590	0.0160	0.0153	841.2285
Total		0.0857	0.7332	0.3166	4.6800e-003	0.0592	0.0592	0.0592	0.0592	0.0592	0.0000	848.3072	848.3072	0.0163	0.0156	853.3483

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr									MT/yr						
City Park	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
Government Office Building	93716.9	5.1000e-004	4.5900e-003	3.8600e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0011	5.0011	1.0000e-004	9.0000e-005	5.0308
Health Club	73579.5	4.0000e-004	3.6100e-003	3.0300e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9265	3.9265	8.0000e-005	7.0000e-005	3.9498
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.01884e+007	0.0549	0.4695	0.1998	3.0000e-003		0.0380	0.0380		0.0380	0.0380	0.0000	543.6930	543.6930	0.0104	9.9700e-003	546.9239
Total		0.0559	0.4777	0.2067	3.0500e-003		0.0386	0.0386		0.0386	0.0386	0.0000	552.6206	552.6206	0.0106	0.0101	555.9046

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	94256	30.8037	1.2400e-003	2.6000e-004	30.9111
Health Club	63375	20.7115	8.3000e-004	1.7000e-004	20.7838
Parking Lot	38332.8	12.5275	5.0000e-004	1.0000e-004	12.5712
Single Family Housing	4.7653e+006	1,557.3415	0.0627	0.0130	1,562.7734
Total		1,621.3842	0.0653	0.0135	1,627.0394

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	60462.9	19.7598	8.0000e-004	1.6000e-004	19.8287
Health Club	43101	14.0858	5.7000e-004	1.2000e-004	14.1349
Parking Lot	9583.2	3.1319	1.3000e-004	3.0000e-005	3.1428
Single Family Housing	4.01711e+006	1,312.8254	0.0528	0.0109	1,317.4044
Total		1,349.8028	0.0543	0.0112	1,354.5108

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	40.1305	0.7210	46.6796	0.0774		5.9955	5.9955		5.9955	5.9955	568.1267	244.9354	813.0622	0.5307	0.0447	839.6459
Unmitigated	40.1305	0.7210	46.6796	0.0774		5.9955	5.9955		5.9955	5.9955	568.1267	244.9354	813.0622	0.5307	0.0447	839.6459

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	1.5668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9308					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	34.5104	0.6740	42.5994	0.0772		5.9728	5.9728		5.9728	5.9728	568.1267	238.2641	806.3908	0.5243	0.0447	832.8148
Landscaping	0.1225	0.0470	4.0802	2.2000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	6.6714	6.6714	6.3900e-003	0.0000	6.8311
Total	40.1305	0.7210	46.6796	0.0774		5.9955	5.9955		5.9955	5.9955	568.1267	244.9354	813.0622	0.5307	0.0447	839.6459

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	1.5668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9308					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	34.5104	0.6740	42.5994	0.0772		5.9728	5.9728		5.9728	5.9728	568.1267	238.2641	806.3908	0.5243	0.0447	832.8148
Landscaping	0.1225	0.0470	4.0802	2.2000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	6.6714	6.6714	6.3900e-003	0.0000	6.8311
Total	40.1305	0.7210	46.6796	0.0774		5.9955	5.9955		5.9955	5.9955	568.1267	244.9354	813.0622	0.5307	0.0447	839.6459

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	272.5079	0.9918	0.0254	304.8585
Unmitigated	315.6881	1.2387	0.0315	356.0393

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.8467	57.5369	2.3200e-003	4.8000e-004	57.7376
Government Office Building	1.36082 / 0.83405	9.2508	0.0447	1.1200e-003	10.7022
Health Club	0.443574 / 0.271868	3.0154	0.0146	3.7000e-004	3.4885
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35.8347 / 22.5915	245.8850	1.1771	0.0295	284.1111
Total		315.6881	1.2387	0.0315	356.0393

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 14.8801	54.0272	2.1700e-003	4.5000e-004	54.2156
Government Office Building	1.08866 / 0.783173	7.8216	0.0358	9.0000e-004	8.9841
Health Club	0.354859 / 0.255284	2.5495	0.0117	2.9000e-004	2.9285
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000

Single Family Housing	28.6678 / 21.2134	208.1096	0.9422	0.0237	238.7303
Total		272.5079	0.9918	0.0254	304.8585

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	70.5586	4.1699	0.0000	174.8061
Unmitigated	141.1173	8.3398	0.0000	349.6121

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.14	0.2314	0.0137	0.0000	0.5733
Government Office Building	6.37	1.2931	0.0764	0.0000	3.2035

Health Club	42.75	8.6779	0.5129	0.0000	21.4990
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	644.93	130.9150	7.7369	0.0000	324.3363
Total		141.1173	8.3398	0.0000	349.6121

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Government Office Building	3.185	0.6465	0.0382	0.0000	1.6017
Health Club	21.375	4.3389	0.2564	0.0000	10.7495
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	322.465	65.4575	3.8684	0.0000	162.1681
Total		70.5586	4.1699	0.0000	174.8061

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Safari Highland Ranch Project - San Diego County, Annual

Safari Highland Ranch Project - With Hearth Mitigation
San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	6.85	1000sqft	0.16	6,850.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
City Park	13.30	Acre	13.30	579,348.00	0
Health Club	7.50	1000sqft	0.17	7,500.00	0
Single Family Housing	550.00	Dwelling Unit	350.30	990,000.00	1573

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2025
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 - Lot acreage per project applicant. Land use types are as follows: fire station (government office building); soft surface trails, private pocket roads, and private recreation area (city park); and recreational center building (health club).

Construction Phase - Dates per project applicant.

Off-road Equipment -

Off-road Equipment - Per construction questionnaire.

Off-road Equipment - Per construction questionnaire.

Off-road Equipment - Per construction questionnaire.
 Off-road Equipment -
 Off-road Equipment - Per construction questionnaire.
 Off-road Equipment - Per construction questionnaire.
 Off-road Equipment - Per construction questionnaire.
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 Off-road Equipment - Per construction questionnaire.
 Off-road Equipment - Per construction questionnaire.
 Off-road Equipment - Per construction questionnaire.
 Off-road Equipment -
 Off-road Equipment - Per construction questionnaire.
 Off-road Equipment - Per construction questionnaire.
 Off-road Equipment - Per construction questionnaire.
 Trips and VMT - Per construction questionnaire.
 Demolition -
 Grading - Per construction questionnaire.
 Architectural Coating - No parking lots in Phases 2-4.
 Vehicle Trips - per Traffic Report.
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Woodstoves - No woodstoves. Limited number of fireplaces per MM-AIR-3.
 Area Coating -
 Construction Off-road Equipment Mitigation - Per SDAPCD Rule 55.
 Mobile Land Use Mitigation -
 Energy Mitigation - Reductions per Title 24 and RPS.
 Water Mitigation -
 Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00

tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	440.00	784.00
tblConstructionPhase	NumDays	440.00	782.00
tblConstructionPhase	NumDays	440.00	784.00
tblConstructionPhase	NumDays	440.00	785.00
tblConstructionPhase	NumDays	6,200.00	782.00
tblConstructionPhase	NumDays	6,200.00	784.00
tblConstructionPhase	NumDays	6,200.00	785.00
tblConstructionPhase	NumDays	6,200.00	784.00
tblConstructionPhase	NumDays	400.00	5.00
tblConstructionPhase	NumDays	620.00	89.00
tblConstructionPhase	NumDays	620.00	88.00
tblConstructionPhase	NumDays	620.00	89.00
tblConstructionPhase	NumDays	620.00	86.00
tblConstructionPhase	NumDays	440.00	23.00
tblConstructionPhase	NumDays	440.00	22.00
tblConstructionPhase	NumDays	440.00	22.00
tblConstructionPhase	NumDays	440.00	21.00
tblFireplaces	FireplaceWoodMass	3,078.40	511.68
tblFireplaces	NumberGas	302.50	518.00
tblFireplaces	NumberNoFireplace	55.00	0.00
tblFireplaces	NumberWood	192.50	32.00
tblGrading	AcresOfGrading	400.50	222.50
tblGrading	AcresOfGrading	396.00	1,550.00
tblGrading	AcresOfGrading	400.50	222.50
tblGrading	AcresOfGrading	387.00	215.00

tblGrading	MaterialImported	0.00	1,096,590.00
tblGrading	MaterialImported	0.00	1,965,840.00
tblGrading	MaterialImported	0.00	840,880.00
tblGrading	MaterialImported	0.00	722,620.00
tblLandUse	LotAcreage	178.57	350.30
tblOffRoadEquipment	HorsePower	158.00	247.00
tblOffRoadEquipment	HorsePower	187.00	367.00
tblOffRoadEquipment	HorsePower	130.00	132.00
tblOffRoadEquipment	HorsePower	130.00	132.00
tblOffRoadEquipment	HorsePower	130.00	132.00
tblOffRoadEquipment	HorsePower	130.00	132.00
tblOffRoadEquipment	HorsePower	132.00	80.00
tblOffRoadEquipment	HorsePower	132.00	80.00
tblOffRoadEquipment	HorsePower	132.00	80.00
tblOffRoadEquipment	HorsePower	132.00	80.00
tblOffRoadEquipment	HorsePower	212.00	158.00
tblOffRoadEquipment	HorsePower	212.00	158.00
tblOffRoadEquipment	HorsePower	212.00	158.00
tblOffRoadEquipment	HorsePower	85.00	187.00
tblOffRoadEquipment	HorsePower	187.00	130.00
tblOffRoadEquipment	HorsePower	187.00	130.00
tblOffRoadEquipment	HorsePower	187.00	130.00
tblOffRoadEquipment	HorsePower	187.00	130.00
tblOffRoadEquipment	HorsePower	124.00	97.00
tblOffRoadEquipment	HorsePower	203.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	LoadFactor	0.41	0.48
tblOffRoadEquipment	LoadFactor	0.42	0.36
tblOffRoadEquipment	LoadFactor	0.42	0.36
tblOffRoadEquipment	LoadFactor	0.42	0.36

tblOffRoadEquipment	LoadFactor	0.42	0.36
tblOffRoadEquipment	LoadFactor	0.36	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.38
tblOffRoadEquipment	LoadFactor	0.78	0.41
tblOffRoadEquipment	LoadFactor	0.41	0.42
tblOffRoadEquipment	LoadFactor	0.41	0.42
tblOffRoadEquipment	LoadFactor	0.41	0.42
tblOffRoadEquipment	LoadFactor	0.41	0.42
tblOffRoadEquipment	LoadFactor	0.44	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripLength	20.00	0.20
tblTripsAndVMT	HaulingTripLength	20.00	0.20
tblTripsAndVMT	HaulingTripLength	20.00	0.20
tblTripsAndVMT	HaulingTripLength	20.00	0.20
tblTripsAndVMT	HaulingTripNumber	108,425.00	0.00
tblTripsAndVMT	HaulingTripNumber	194,372.00	0.00
tblTripsAndVMT	HaulingTripNumber	83,142.00	0.00
tblTripsAndVMT	HaulingTripNumber	71,449.00	0.00
tblVehicleTrips	CC_TL	7.30	14.19
tblVehicleTrips	CC_TL	7.30	14.19
tblVehicleTrips	CNW_TL	7.30	14.19
tblVehicleTrips	CNW_TL	7.30	14.19
tblVehicleTrips	CW_TL	9.50	14.19
tblVehicleTrips	CW_TL	9.50	14.19
tblVehicleTrips	HO_TL	7.50	14.19
tblVehicleTrips	HS_TL	7.30	14.19

tblVehicleTrips	HW_TL	10.80	14.19
tblVehicleTrips	ST_TR	22.75	2.80
tblVehicleTrips	ST_TR	0.00	20.15
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.91	10.43
tblVehicleTrips	SU_TR	16.74	2.80
tblVehicleTrips	SU_TR	0.00	20.15
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	8.62	10.43
tblVehicleTrips	WD_TR	1.89	2.80
tblVehicleTrips	WD_TR	68.93	20.15
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	9.52	10.43
tblWoodstoves	NumberCatalytic	27.50	0.00
tblWoodstoves	NumberNoncatalytic	27.50	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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	1.9930	13.2461	8.2654	0.0198	1.0931	0.5580	1.6510	0.1425	0.5159	0.6584	0.0000	1,780.1137	1,780.1137	0.4938	0.0000	1,792.4580
2020	15.9753	25.7976	21.9032	0.0591	2.2298	1.0342	3.2640	0.5454	0.9642	1.5097	0.0000	5,352.5080	5,352.5080	0.8823	0.0000	5,374.5655
2021	23.0493	17.1480	18.3041	0.0583	2.9005	0.4946	3.3952	0.7837	0.4698	1.2535	0.0000	5,375.8522	5,375.8522	0.4496	0.0000	5,387.0914

2022	22.0313	15.2976	16.9306	0.0551	2.7922	0.4021	3.1943	0.7545	0.3823	1.1367	0.0000	5,083.1524	5,083.1524	0.4208	0.0000	5,093.6710
2023	8.6176	5.1338	6.3962	0.0212	1.1002	0.1339	1.2341	0.2973	0.1274	0.4246	0.0000	1,953.5530	1,953.5530	0.1578	0.0000	1,957.4975
Maximum	23.0493	25.7976	21.9032	0.0591	2.9005	1.0342	3.3952	0.7837	0.9642	1.5097	0.0000	5,375.8522	5,375.8522	0.8823	0.0000	5,387.0914

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	1.9930	13.2461	8.2654	0.0198	0.5004	0.5580	1.0584	0.0784	0.5159	0.5943	0.0000	1,780.1118	1,780.1118	0.4938	0.0000	1,792.4561
2020	15.9753	25.7976	21.9032	0.0591	2.0095	1.0342	3.0437	0.5217	0.9642	1.4859	0.0000	5,352.5050	5,352.5050	0.8823	0.0000	5,374.5625
2021	23.0493	17.1480	18.3041	0.0583	2.9005	0.4946	3.3952	0.7837	0.4698	1.2535	0.0000	5,375.8509	5,375.8509	0.4496	0.0000	5,387.0901
2022	22.0313	15.2976	16.9306	0.0551	2.7922	0.4021	3.1943	0.7545	0.3823	1.1367	0.0000	5,083.1511	5,083.1511	0.4208	0.0000	5,093.6697
2023	8.6176	5.1338	6.3962	0.0212	1.1002	0.1339	1.2341	0.2973	0.1274	0.4246	0.0000	1,953.5525	1,953.5525	0.1578	0.0000	1,957.4970
Maximum	23.0493	25.7976	21.9032	0.0591	2.9005	1.0342	3.3952	0.7837	0.9642	1.4859	0.0000	5,375.8509	5,375.8509	0.8823	0.0000	5,387.0901

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	8.04	0.00	6.38	3.48	0.00	1.76	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2019	8-31-2019	5.0448	5.0448
2	9-1-2019	11-30-2019	7.4324	7.4324
3	12-1-2019	2-29-2020	7.9066	7.9066
4	3-1-2020	5-31-2020	9.9677	9.9677
5	6-1-2020	8-31-2020	12.2279	12.2279

6	9-1-2020	11-30-2020	10.6481	10.6481
7	12-1-2020	2-28-2021	10.0828	10.0828
8	3-1-2021	5-31-2021	10.0984	10.0984
9	6-1-2021	8-31-2021	10.0810	10.0810
10	9-1-2021	11-30-2021	10.0058	10.0058
11	12-1-2021	2-28-2022	9.6830	9.6830
12	3-1-2022	5-31-2022	9.7434	9.7434
13	6-1-2022	8-31-2022	9.7274	9.7274
14	9-1-2022	11-30-2022	9.1487	9.1487
15	12-1-2022	2-28-2023	6.8691	6.8691
16	3-1-2023	5-31-2023	4.6334	4.6334
17	6-1-2023	8-31-2023	3.0910	3.0910
18	9-1-2023	9-30-2023	0.7415	0.7415
		Highest	12.2279	12.2279

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	6.5987	0.4099	5.2641	4.1000e-003		0.1928	0.1928		0.1928	0.1928	12.6259	414.6740	427.2999	0.0142	8.5900e-003	430.2162
Energy	0.0857	0.7332	0.3166	4.6800e-003		0.0592	0.0592		0.0592	0.0592	0.0000	2,469.6914	2,469.6914	0.0815	0.0291	2,480.3877
Mobile	1.7610	7.5555	24.8059	0.1004	10.1200	0.0771	10.1971	2.7095	0.0717	2.7812	0.0000	9,291.0574	9,291.0574	0.4358	0.0000	9,301.9514
Waste						0.0000	0.0000		0.0000	0.0000	141.1173	0.0000	141.1173	8.3398	0.0000	349.6121
Water						0.0000	0.0000		0.0000	0.0000	11.9412	303.7470	315.6881	1.2387	0.0315	356.0393
Total	8.4455	8.6986	30.3866	0.1092	10.1200	0.3291	10.4491	2.7095	0.3237	3.0331	165.6844	12,479.1697	12,644.8541	10.1100	0.0691	12,918.2067

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	6.5987	0.4099	5.2641	4.1000e-003		0.1928	0.1928		0.1928	0.1928	12.6259	414.6740	427.2999	0.0142	8.5900e-003	430.2162
Energy	0.0558	0.4777	0.2067	3.0500e-003		0.0386	0.0386		0.0386	0.0386	0.0000	1,902.4235	1,902.4235	0.0649	0.0214	1,910.4154
Mobile	1.7514	7.5075	24.5948	0.0995	10.0188	0.0764	10.0952	2.6824	0.0711	2.7534	0.0000	9,201.7880	9,201.7880	0.4319	0.0000	9,212.5861
Waste						0.0000	0.0000		0.0000	0.0000	70.5586	0.0000	70.5586	4.1699	0.0000	174.8061
Water						0.0000	0.0000		0.0000	0.0000	9.5529	262.9550	272.5079	0.9918	0.0254	304.8585
Total	8.4059	8.3951	30.0656	0.1066	10.0188	0.3077	10.3265	2.6824	0.3024	2.9847	92.7375	11,781.8404	11,874.5779	5.6727	0.0553	12,032.8822

	ROG	NOx	CO	SO2	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	0.47	3.49	1.06	2.38	1.00	6.49	1.17	1.00	6.58	1.60	44.03	5.59	6.09	43.89	19.98	6.85

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2019	6/7/2019	5	5	
2	Phase 1 Grading	Grading	6/15/2019	10/16/2019	5	88	
3	Phase 2 Grading	Grading	10/1/2019	1/31/2020	5	89	
4	Phase 1 Paving	Paving	10/10/2019	11/8/2019	5	22	
5	Phase 1 Building Construction	Building Construction	11/11/2019	11/11/2022	5	785	
6	Phase 1 Architectural Coating	Architectural Coating	11/11/2019	11/11/2022	5	785	

7	Phase 3 Grading	Grading	2/1/2020	6/1/2020	5	86
8	Phase 2 Paving	Paving	2/2/2020	3/2/2020	5	21
9	Phase 2 Building Construction	Building Construction	3/3/2020	3/3/2023	5	784
10	Phase 2 Architectural Coating	Architectural Coating	3/3/2020	3/3/2023	5	784
11	Phase 4 Grading	Grading	6/1/2020	10/1/2020	5	89
12	Phase 3 Paving	Paving	6/2/2020	7/2/2020	5	23
13	Phase 3 Building Construction	Building Construction	7/3/2020	7/3/2023	5	782
14	Phase 3 Architectural Coating	Architectural Coating	7/3/2020	7/3/2023	5	782
15	Phase 4 Paving	Paving	10/2/2020	11/2/2020	5	22
16	Phase 4 Building Construction	Building Construction	11/3/2020	11/3/2023	5	784
17	Phase 4 Architectural Coating	Architectural Coating	11/3/2020	11/3/2023	5	784

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1

Residential Indoor: 2,004,750; Residential Outdoor: 668,250; Non-Residential Indoor: 21,525; Non-Residential Outdoor: 7,175; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Phase 1 Grading	Crawler Tractors	8	8.00	212	0.43
Phase 1 Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Phase 1 Grading	Excavators	2	8.00	158	0.38
Phase 1 Grading	Graders	1	8.00	187	0.41
Phase 1 Grading	Off-Highway Tractors	7	8.00	124	0.44
Phase 1 Grading	Off-Highway Trucks	6	8.00	402	0.38
Phase 1 Grading	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1 Grading	Rubber Tired Loaders	3	8.00	203	0.36

Phase 1 Grading	Scrapers	0	8.00	367	0.48
Phase 1 Grading	Skid Steer Loaders	1	8.00	65	0.37
Phase 1 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Grading	Crawler Tractors	8	8.00	158	0.38
Phase 2 Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Phase 2 Grading	Excavators	2	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Off-Highway Tractors	7	8.00	124	0.44
Phase 2 Grading	Off-Highway Trucks	6	8.00	402	0.38
Phase 2 Grading	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2 Grading	Rubber Tired Loaders	3	8.00	247	0.40
Phase 2 Grading	Scrapers	0	8.00	367	0.48
Phase 2 Grading	Skid Steer Loaders	1	8.00	65	0.37
Phase 2 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1 Paving	Graders	2	8.00	130	0.42
Phase 1 Paving	Pavers	1	8.00	132	0.36
Phase 1 Paving	Paving Equipment	4	8.00	80	0.38
Phase 1 Paving	Rollers	0	8.00	80	0.38
Phase 1 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 1 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1 Building Construction	Cranes	0	7.00	231	0.29
Phase 1 Building Construction	Forklifts	3	8.00	89	0.20
Phase 1 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1 Building Construction	Welders	1	8.00	46	0.45
Phase 1 Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 3 Grading	Crawler Tractors	8	8.00	158	0.38
Phase 3 Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Phase 3 Grading	Excavators	2	8.00	158	0.38
Phase 3 Grading	Graders	1	8.00	187	0.41

Phase 3 Grading	Off-Highway Tractors	7	8.00	124	0.44
Phase 3 Grading	Off-Highway Trucks	6	8.00	402	0.38
Phase 3 Grading	Rubber Tired Dozers	0	8.00	247	0.40
Phase 3 Grading	Rubber Tired Loaders	3	8.00	203	0.36
Phase 3 Grading	Scrapers	0	8.00	367	0.48
Phase 3 Grading	Skid Steer Loaders	1	8.00	65	0.37
Phase 3 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Paving	Graders	2	8.00	130	0.42
Phase 2 Paving	Pavers	1	8.00	132	0.36
Phase 2 Paving	Paving Equipment	4	8.00	80	0.38
Phase 2 Paving	Rollers	0	8.00	80	0.38
Phase 2 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 2 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Building Construction	Cranes	0	7.00	231	0.29
Phase 2 Building Construction	Forklifts	3	8.00	89	0.20
Phase 2 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 2 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2 Building Construction	Welders	1	8.00	46	0.45
Phase 2 Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 4 Grading	Crawler Tractors	8	8.00	158	0.38
Phase 4 Grading	Crushing/Proc. Equipment	1	8.00	187	0.41
Phase 4 Grading	Excavators	2	8.00	247	0.40
Phase 4 Grading	Graders	1	8.00	367	0.48
Phase 4 Grading	Off-Highway Tractors	7	8.00	97	0.37
Phase 4 Grading	Off-Highway Trucks	6	8.00	402	0.38
Phase 4 Grading	Rubber Tired Dozers	0	8.00	247	0.40
Phase 4 Grading	Rubber Tired Loaders	3	8.00	203	0.36
Phase 4 Grading	Scrapers	0	8.00	367	0.48
Phase 4 Grading	Skid Steer Loaders	1	8.00	65	0.37
Phase 4 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Phase 3 Paving	Graders	2	8.00	130	0.42
Phase 3 Paving	Pavers	1	8.00	132	0.36
Phase 3 Paving	Paving Equipment	4	8.00	80	0.38
Phase 3 Paving	Rollers	0	8.00	80	0.38
Phase 3 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 3 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 3 Building Construction	Cranes	0	7.00	231	0.29
Phase 3 Building Construction	Forklifts	3	8.00	89	0.20
Phase 3 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 3 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3 Building Construction	Welders	1	8.00	46	0.45
Phase 3 Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 4 Paving	Graders	2	8.00	130	0.42
Phase 4 Paving	Pavers	1	8.00	132	0.36
Phase 4 Paving	Paving Equipment	4	8.00	80	0.38
Phase 4 Paving	Rollers	0	8.00	80	0.38
Phase 4 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 4 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 4 Building Construction	Cranes	0	7.00	231	0.29
Phase 4 Building Construction	Forklifts	3	8.00	89	0.20
Phase 4 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 4 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 4 Building Construction	Welders	1	8.00	46	0.45
Phase 4 Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	15.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 Grading	30	75.00	0.00	0.00	10.80	7.30	0.20	LD_Mix	HDT_Mix	HHDT

Off-Road	8.7800e-003	0.0895	0.0552	1.0000e-004		4.4900e-003	4.4900e-003		4.1700e-003	4.1700e-003	0.0000	8.6566	8.6566	2.4100e-003	0.0000	8.7168
Total	8.7800e-003	0.0895	0.0552	1.0000e-004	1.6400e-003	4.4900e-003	6.1300e-003	2.5000e-004	4.1700e-003	4.4200e-003	0.0000	8.6566	8.6566	2.4100e-003	0.0000	8.7168

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	7.0000e-005	2.3000e-003	5.0000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5847	0.5847	5.0000e-005	0.0000	0.5860
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	1.5000e-004	1.1000e-004	1.1000e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2807	0.2807	1.0000e-005	0.0000	0.2809
Total	2.2000e-004	2.4100e-003	1.6000e-003	1.0000e-005	4.3000e-004	1.0000e-005	4.4000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.8654	0.8654	6.0000e-005	0.0000	0.8669

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					6.1000e-004	0.0000	6.1000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7800e-003	0.0895	0.0552	1.0000e-004		4.4900e-003	4.4900e-003		4.1700e-003	4.1700e-003	0.0000	8.6566	8.6566	2.4100e-003	0.0000	8.7168
Total	8.7800e-003	0.0895	0.0552	1.0000e-004	6.1000e-004	4.4900e-003	5.1000e-003	9.0000e-005	4.1700e-003	4.2600e-003	0.0000	8.6566	8.6566	2.4100e-003	0.0000	8.7168

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	7.0000e-005	2.3000e-003	5.0000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5847	0.5847	5.0000e-005	0.0000	0.5860
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	1.5000e-004	1.1000e-004	1.1000e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2807	0.2807	1.0000e-005	0.0000	0.2809
Total	2.2000e-004	2.4100e-003	1.6000e-003	1.0000e-005	4.3000e-004	1.0000e-005	4.4000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.8654	0.8654	6.0000e-005	0.0000	0.8669

3.3 Phase 1 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					0.8219	0.0000	0.8219	0.0887	0.0000	0.0887	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6271	7.1600	3.8617	9.8100e-003		0.2857	0.2857		0.2638	0.2638	0.0000	879.5112	879.5112	0.2720	0.0000	886.3118
Total	0.6271	7.1600	3.8617	9.8100e-003	0.8219	0.2857	1.1076	0.0887	0.2638	0.3526	0.0000	879.5112	879.5112	0.2720	0.0000	886.3118

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
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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
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	0.0130	9.9800e-003	0.0966	2.7000e-004	0.0265	1.9000e-004	0.0267	7.0300e-003	1.8000e-004	7.2100e-003	0.0000	24.7004	24.7004	7.9000e-004	0.0000	24.7202
Total	0.0130	9.9800e-003	0.0966	2.7000e-004	0.0265	1.9000e-004	0.0267	7.0300e-003	1.8000e-004	7.2100e-003	0.0000	24.7004	24.7004	7.9000e-004	0.0000	24.7202

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					0.3045	0.0000	0.3045	0.0329	0.0000	0.0329	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6271	7.1600	3.8617	9.8100e-003		0.2857	0.2857		0.2638	0.2638	0.0000	879.5101	879.5101	0.2720	0.0000	886.3107
Total	0.6271	7.1600	3.8617	9.8100e-003	0.3045	0.2857	0.5902	0.0329	0.2638	0.2967	0.0000	879.5101	879.5101	0.2720	0.0000	886.3107

Mitigated Construction Off-Site

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

Worker	0.0130	9.9800e-003	0.0966	2.7000e-004	0.0265	1.9000e-004	0.0267	7.0300e-003	1.8000e-004	7.2100e-003	0.0000	24.7004	24.7004	7.9000e-004	0.0000	24.7202
Total	0.0130	9.9800e-003	0.0966	2.7000e-004	0.0265	1.9000e-004	0.0267	7.0300e-003	1.8000e-004	7.2100e-003	0.0000	24.7004	24.7004	7.9000e-004	0.0000	24.7202

3.4 Phase 2 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					0.1180	0.0000	0.1180	0.0127	0.0000	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4676	4.9322	3.2183	6.8600e-003		0.2241	0.2241		0.2069	0.2069	0.0000	615.1798	615.1798	0.1900	0.0000	619.9286
Total	0.4676	4.9322	3.2183	6.8600e-003	0.1180	0.2241	0.3421	0.0127	0.2069	0.2196	0.0000	615.1798	615.1798	0.1900	0.0000	619.9286

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	9.7600e-003	7.4900e-003	0.0724	2.1000e-004	0.0199	1.4000e-004	0.0200	5.2700e-003	1.3000e-004	5.4100e-003	0.0000	18.5253	18.5253	6.0000e-004	0.0000	18.5402
Total	9.7600e-003	7.4900e-003	0.0724	2.1000e-004	0.0199	1.4000e-004	0.0200	5.2700e-003	1.3000e-004	5.4100e-003	0.0000	18.5253	18.5253	6.0000e-004	0.0000	18.5402

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					0.0437	0.0000	0.0437	4.7200e-003	0.0000	4.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4676	4.9322	3.2183	6.8600e-003		0.2241	0.2241		0.2069	0.2069	0.0000	615.1791	615.1791	0.1900	0.0000	619.9279
Total	0.4676	4.9322	3.2183	6.8600e-003	0.0437	0.2241	0.2678	4.7200e-003	0.2069	0.2116	0.0000	615.1791	615.1791	0.1900	0.0000	619.9279

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	9.7600e-003	7.4900e-003	0.0724	2.1000e-004	0.0199	1.4000e-004	0.0200	5.2700e-003	1.3000e-004	5.4100e-003	0.0000	18.5253	18.5253	6.0000e-004	0.0000	18.5402
Total	9.7600e-003	7.4900e-003	0.0724	2.1000e-004	0.0199	1.4000e-004	0.0200	5.2700e-003	1.3000e-004	5.4100e-003	0.0000	18.5253	18.5253	6.0000e-004	0.0000	18.5402

3.4 Phase 2 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
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Category	tons/yr										MT/yr					
Fugitive Dust					0.1180	0.0000	0.1180	0.0127	0.0000	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1514	1.5488	1.1019	2.3900e-003		0.0700	0.0700		0.0646	0.0646	0.0000	209.8028	209.8028	0.0661	0.0000	211.4559
Total	0.1514	1.5488	1.1019	2.3900e-003	0.1180	0.0700	0.1879	0.0127	0.0646	0.0773	0.0000	209.8028	209.8028	0.0661	0.0000	211.4559

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1800e-003	2.3500e-003	0.0231	7.0000e-005	6.9200e-003	5.0000e-005	6.9700e-003	1.8400e-003	5.0000e-005	1.8800e-003	0.0000	6.2521	6.2521	1.9000e-004	0.0000	6.2567
Total	3.1800e-003	2.3500e-003	0.0231	7.0000e-005	6.9200e-003	5.0000e-005	6.9700e-003	1.8400e-003	5.0000e-005	1.8800e-003	0.0000	6.2521	6.2521	1.9000e-004	0.0000	6.2567

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					0.0437	0.0000	0.0437	4.7200e-003	0.0000	4.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1514	1.5488	1.1019	2.3900e-003		0.0700	0.0700		0.0646	0.0646	0.0000	209.8026	209.8026	0.0661	0.0000	211.4557

Total	0.1514	1.5488	1.1019	2.3900e-003	0.0437	0.0700	0.1137	4.7200e-003	0.0646	0.0693	0.0000	209.8026	209.8026	0.0661	0.0000	211.4557
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1800e-003	2.3500e-003	0.0231	7.0000e-005	6.9200e-003	5.0000e-005	6.9700e-003	1.8400e-003	5.0000e-005	1.8800e-003	0.0000	6.2521	6.2521	1.9000e-004	0.0000	6.2567
Total	3.1800e-003	2.3500e-003	0.0231	7.0000e-005	6.9200e-003	5.0000e-005	6.9700e-003	1.8400e-003	5.0000e-005	1.8800e-003	0.0000	6.2521	6.2521	1.9000e-004	0.0000	6.2567

3.5 Phase 1 Paving - 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	0.0305	0.3074	0.2340	3.7000e-004		0.0180	0.0180		0.0165	0.0165	0.0000	33.5693	33.5693	0.0106	0.0000	33.8348
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0318	0.3074	0.2340	3.7000e-004		0.0180	0.0180		0.0165	0.0165	0.0000	33.5693	33.5693	0.0106	0.0000	33.8348

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-003	7.7000e-004	7.4000e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.8937	1.8937	6.0000e-005	0.0000	1.8952
Total	1.0000e-003	7.7000e-004	7.4000e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.8937	1.8937	6.0000e-005	0.0000	1.8952

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	0.0305	0.3074	0.2340	3.7000e-004		0.0180	0.0180		0.0165	0.0165	0.0000	33.5693	33.5693	0.0106	0.0000	33.8348
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0318	0.3074	0.2340	3.7000e-004		0.0180	0.0180		0.0165	0.0165	0.0000	33.5693	33.5693	0.0106	0.0000	33.8348

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-003	7.7000e-004	7.4000e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.8937	1.8937	6.0000e-005	0.0000	1.8952
Total	1.0000e-003	7.7000e-004	7.4000e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.8937	1.8937	6.0000e-005	0.0000	1.8952

3.6 Phase 1 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	0.0355	0.2927	0.2804	4.0000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	35.1060	35.1060	7.9400e-003	0.0000	35.3046
Total	0.0355	0.2927	0.2804	4.0000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	35.1060	35.1060	7.9400e-003	0.0000	35.3046

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	0.0141	0.3785	0.1017	8.2000e-004	0.0200	2.6200e-003	0.0226	5.7800e-003	2.5100e-003	8.2900e-003	0.0000	80.1152	80.1152	6.4300e-003	0.0000	80.2759
Worker	0.0339	0.0260	0.2517	7.1000e-004	0.0690	5.0000e-004	0.0695	0.0183	4.6000e-004	0.0188	0.0000	64.3894	64.3894	2.0700e-003	0.0000	64.4412

Total	0.0480	0.4045	0.3534	1.5300e-003	0.0890	3.1200e-003	0.0921	0.0241	2.9700e-003	0.0271	0.0000	144.5046	144.5046	8.5000e-003	0.0000	144.7171
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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	0.0355	0.2927	0.2804	4.0000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	35.1060	35.1060	7.9400e-003	0.0000	35.3045
Total	0.0355	0.2927	0.2804	4.0000e-004		0.0197	0.0197		0.0186	0.0186	0.0000	35.1060	35.1060	7.9400e-003	0.0000	35.3045

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	0.0141	0.3785	0.1017	8.2000e-004	0.0200	2.6200e-003	0.0226	5.7800e-003	2.5100e-003	8.2900e-003	0.0000	80.1152	80.1152	6.4300e-003	0.0000	80.2759
Worker	0.0339	0.0260	0.2517	7.1000e-004	0.0690	5.0000e-004	0.0695	0.0183	4.6000e-004	0.0188	0.0000	64.3894	64.3894	2.0700e-003	0.0000	64.4412
Total	0.0480	0.4045	0.3534	1.5300e-003	0.0890	3.1200e-003	0.0921	0.0241	2.9700e-003	0.0271	0.0000	144.5046	144.5046	8.5000e-003	0.0000	144.7171

3.6 Phase 1 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	0.2257	1.8954	1.9647	2.8600e-003		0.1209	0.1209		0.1142	0.1142	0.0000	245.3028	245.3028	0.0552	0.0000	246.6835
Total	0.2257	1.8954	1.9647	2.8600e-003		0.1209	0.1209		0.1142	0.1142	0.0000	245.3028	245.3028	0.0552	0.0000	246.6835

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	0.0814	2.4339	0.6467	5.7800e-003	0.1417	0.0119	0.1536	0.0409	0.0114	0.0523	0.0000	563.4233	563.4233	0.0432	0.0000	564.5030
Worker	0.2245	0.1662	1.6300	4.8800e-003	0.4885	3.5100e-003	0.4920	0.1298	3.2400e-003	0.1330	0.0000	441.5579	441.5579	0.0133	0.0000	441.8893
Total	0.3059	2.6001	2.2767	0.0107	0.6302	0.0154	0.6456	0.1707	0.0146	0.1853	0.0000	1,004.9812	1,004.9812	0.0565	0.0000	1,006.3923

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	0.2257	1.8954	1.9647	2.8600e-003		0.1209	0.1209		0.1142	0.1142	0.0000	245.3025	245.3025	0.0552	0.0000	246.6832
Total	0.2257	1.8954	1.9647	2.8600e-003		0.1209	0.1209		0.1142	0.1142	0.0000	245.3025	245.3025	0.0552	0.0000	246.6832

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	0.0814	2.4339	0.6467	5.7800e-003	0.1417	0.0119	0.1536	0.0409	0.0114	0.0523	0.0000	563.4233	563.4233	0.0432	0.0000	564.5030
Worker	0.2245	0.1662	1.6300	4.8800e-003	0.4885	3.5100e-003	0.4920	0.1298	3.2400e-003	0.1330	0.0000	441.5579	441.5579	0.0133	0.0000	441.8893
Total	0.3059	2.6001	2.2767	0.0107	0.6302	0.0154	0.6456	0.1707	0.0146	0.1853	0.0000	1,004.9812	1,004.9812	0.0565	0.0000	1,006.3923

3.6 Phase 1 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	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626
Total	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626

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	0.0658	2.1860	0.5830	5.7000e-003	0.1412	4.6300e-003	0.1458	0.0408	4.4200e-003	0.0452	0.0000	556.1222	556.1222	0.0413	0.0000	557.1540
Worker	0.2109	0.1505	1.5160	4.7000e-003	0.4866	3.4400e-003	0.4901	0.1293	3.1700e-003	0.1325	0.0000	425.0946	425.0946	0.0122	0.0000	425.3992
Total	0.2767	2.3365	2.0990	0.0104	0.6278	8.0700e-003	0.6359	0.1701	7.5900e-003	0.1777	0.0000	981.2168	981.2168	0.0535	0.0000	982.5533

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	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623
Total	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623

Mitigated Construction Off-Site

Vendor	0.0527	1.7796	0.4758	4.8600e-003	0.1217	3.4300e-003	0.1252	0.0351	3.2800e-003	0.0384	0.0000	474.8756	474.8756	0.0345	0.0000	475.7373
Worker	0.1721	0.1183	1.2133	3.9000e-003	0.4195	2.9000e-003	0.4224	0.1115	2.6700e-003	0.1142	0.0000	353.0273	353.0273	9.6200e-003	0.0000	353.2678
Total	0.2248	1.8979	1.6891	8.7600e-003	0.5412	6.3300e-003	0.5476	0.1466	5.9500e-003	0.1526	0.0000	827.9028	827.9028	0.0441	0.0000	829.0051

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	0.1552	1.3449	1.6546	2.4600e-003		0.0739	0.0739		0.0699	0.0699	0.0000	210.7865	210.7865	0.0463	0.0000	211.9444
Total	0.1552	1.3449	1.6546	2.4600e-003		0.0739	0.0739		0.0699	0.0699	0.0000	210.7865	210.7865	0.0463	0.0000	211.9444

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	0.0527	1.7796	0.4758	4.8600e-003	0.1217	3.4300e-003	0.1252	0.0351	3.2800e-003	0.0384	0.0000	474.8756	474.8756	0.0345	0.0000	475.7373
Worker	0.1721	0.1183	1.2133	3.9000e-003	0.4195	2.9000e-003	0.4224	0.1115	2.6700e-003	0.1142	0.0000	353.0273	353.0273	9.6200e-003	0.0000	353.2678
Total	0.2248	1.8979	1.6891	8.7600e-003	0.5412	6.3300e-003	0.5476	0.1466	5.9500e-003	0.1526	0.0000	827.9028	827.9028	0.0441	0.0000	829.0051

3.7 Phase 1 Architectural Coating - 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					
Archit. Coating	0.7385					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9300e-003	0.0340	0.0341	5.0000e-005		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003	0.0000	4.7235	4.7235	4.0000e-004	0.0000	4.7335
Total	0.7434	0.0340	0.0341	5.0000e-005		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003	0.0000	4.7235	4.7235	4.0000e-004	0.0000	4.7335

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	6.7800e-003	5.2000e-003	0.0503	1.4000e-004	0.0138	1.0000e-004	0.0139	3.6700e-003	9.0000e-005	3.7600e-003	0.0000	12.8779	12.8779	4.1000e-004	0.0000	12.8882
Total	6.7800e-003	5.2000e-003	0.0503	1.4000e-004	0.0138	1.0000e-004	0.0139	3.6700e-003	9.0000e-005	3.7600e-003	0.0000	12.8779	12.8779	4.1000e-004	0.0000	12.8882

Mitigated Construction On-Site

Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	5.2611	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0449	0.0333	0.3260	9.8000e-004	0.0977	7.0000e-004	0.0984	0.0260	6.5000e-004	0.0266	0.0000	88.3116	88.3116	2.6500e-003	0.0000	88.3779
Total	0.0449	0.0333	0.3260	9.8000e-004	0.0977	7.0000e-004	0.0984	0.0260	6.5000e-004	0.0266	0.0000	88.3116	88.3116	2.6500e-003	0.0000	88.3779

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	5.2294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	5.2611	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0449	0.0333	0.3260	9.8000e-004	0.0977	7.0000e-004	0.0984	0.0260	6.5000e-004	0.0266	0.0000	88.3116	88.3116	2.6500e-003	0.0000	88.3779
Total	0.0449	0.0333	0.3260	9.8000e-004	0.0977	7.0000e-004	0.0984	0.0260	6.5000e-004	0.0266	0.0000	88.3116	88.3116	2.6500e-003	0.0000	88.3779

3.7 Phase 1 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	5.2094					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	5.2380	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771

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
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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
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	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799
Total	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799

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	5.2094					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771
Total	5.2380	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771

Mitigated Construction Off-Site

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

Worker	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799
Total	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799

3.7 Phase 1 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	4.4909					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.1585	0.2040	3.3000e-004		9.1900e-003	9.1900e-003		9.1900e-003	9.1900e-003	0.0000	28.7241	28.7241	1.8700e-003	0.0000	28.7709
Total	4.5139	0.1585	0.2040	3.3000e-004		9.1900e-003	9.1900e-003		9.1900e-003	9.1900e-003	0.0000	28.7241	28.7241	1.8700e-003	0.0000	28.7709

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0237	0.2427	7.8000e-004	0.0839	5.8000e-004	0.0845	0.0223	5.3000e-004	0.0228	0.0000	70.6055	70.6055	1.9200e-003	0.0000	70.6536
Total	0.0344	0.0237	0.2427	7.8000e-004	0.0839	5.8000e-004	0.0845	0.0223	5.3000e-004	0.0228	0.0000	70.6055	70.6055	1.9200e-003	0.0000	70.6536

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	4.4909					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.1585	0.2040	3.3000e-004		9.1900e-003	9.1900e-003		9.1900e-003	9.1900e-003	0.0000	28.7241	28.7241	1.8700e-003	0.0000	28.7708
Total	4.5139	0.1585	0.2040	3.3000e-004		9.1900e-003	9.1900e-003		9.1900e-003	9.1900e-003	0.0000	28.7241	28.7241	1.8700e-003	0.0000	28.7708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0237	0.2427	7.8000e-004	0.0839	5.8000e-004	0.0845	0.0223	5.3000e-004	0.0228	0.0000	70.6055	70.6055	1.9200e-003	0.0000	70.6536
Total	0.0344	0.0237	0.2427	7.8000e-004	0.0839	5.8000e-004	0.0845	0.0223	5.3000e-004	0.0228	0.0000	70.6055	70.6055	1.9200e-003	0.0000	70.6536

3.8 Phase 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
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Category	tons/yr										MT/yr					
Fugitive Dust					0.1140	0.0000	0.1140	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5490	5.5911	4.0458	8.6500e-003		0.2549	0.2549		0.2353	0.2353	0.0000	759.5555	759.5555	0.2392	0.0000	765.5352
Total	0.5490	5.5911	4.0458	8.6500e-003	0.1140	0.2549	0.3689	0.0123	0.2353	0.2476	0.0000	759.5555	759.5555	0.2392	0.0000	765.5352

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0119	8.8000e-003	0.0863	2.6000e-004	0.0259	1.9000e-004	0.0261	6.8700e-003	1.7000e-004	7.0400e-003	0.0000	23.3772	23.3772	7.0000e-004	0.0000	23.3948
Total	0.0119	8.8000e-003	0.0863	2.6000e-004	0.0259	1.9000e-004	0.0261	6.8700e-003	1.7000e-004	7.0400e-003	0.0000	23.3772	23.3772	7.0000e-004	0.0000	23.3948

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					0.0422	0.0000	0.0422	4.5600e-003	0.0000	4.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5490	5.5911	4.0458	8.6500e-003		0.2549	0.2549		0.2353	0.2353	0.0000	759.5546	759.5546	0.2392	0.0000	765.5343

Total	0.5490	5.5911	4.0458	8.6500e-003	0.0422	0.2549	0.2971	4.5600e-003	0.2353	0.2399	0.0000	759.5546	759.5546	0.2392	0.0000	765.5343
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0119	8.8000e-003	0.0863	2.6000e-004	0.0259	1.9000e-004	0.0261	6.8700e-003	1.7000e-004	7.0400e-003	0.0000	23.3772	23.3772	7.0000e-004	0.0000	23.3948
Total	0.0119	8.8000e-003	0.0863	2.6000e-004	0.0259	1.9000e-004	0.0261	6.8700e-003	1.7000e-004	7.0400e-003	0.0000	23.3772	23.3772	7.0000e-004	0.0000	23.3948

3.9 Phase 2 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	0.0271	0.2716	0.2221	3.6000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	31.3303	31.3303	0.0101	0.0000	31.5836
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0285	0.2716	0.2221	3.6000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	31.3303	31.3303	0.0101	0.0000	31.5836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.6000e-004	6.4600e-003	2.0000e-005	1.9400e-003	1.0000e-005	1.9500e-003	5.1000e-004	1.0000e-005	5.3000e-004	0.0000	1.7506	1.7506	5.0000e-005	0.0000	1.7519
Total	8.9000e-004	6.6000e-004	6.4600e-003	2.0000e-005	1.9400e-003	1.0000e-005	1.9500e-003	5.1000e-004	1.0000e-005	5.3000e-004	0.0000	1.7506	1.7506	5.0000e-005	0.0000	1.7519

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	0.0271	0.2716	0.2221	3.6000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	31.3302	31.3302	0.0101	0.0000	31.5836
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0285	0.2716	0.2221	3.6000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	31.3302	31.3302	0.0101	0.0000	31.5836

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.6000e-004	6.4600e-003	2.0000e-005	1.9400e-003	1.0000e-005	1.9500e-003	5.1000e-004	1.0000e-005	5.3000e-004	0.0000	1.7506	1.7506	5.0000e-005	0.0000	1.7519
Total	8.9000e-004	6.6000e-004	6.4600e-003	2.0000e-005	1.9400e-003	1.0000e-005	1.9500e-003	5.1000e-004	1.0000e-005	5.3000e-004	0.0000	1.7506	1.7506	5.0000e-005	0.0000	1.7519

3.10 Phase 2 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	0.1878	1.5771	1.6347	2.3800e-003		0.1006	0.1006		0.0950	0.0950	0.0000	204.1069	204.1069	0.0460	0.0000	205.2557
Total	0.1878	1.5771	1.6347	2.3800e-003		0.1006	0.1006		0.0950	0.0950	0.0000	204.1069	204.1069	0.0460	0.0000	205.2557

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	0.0677	2.0252	0.5381	4.8100e-003	0.1179	9.8800e-003	0.1278	0.0341	9.4500e-003	0.0435	0.0000	468.8026	468.8026	0.0359	0.0000	469.7010
Worker	0.1868	0.1383	1.3563	4.0600e-003	0.4065	2.9200e-003	0.4094	0.1080	2.6900e-003	0.1107	0.0000	367.4032	367.4032	0.0110	0.0000	367.6789

Total	0.2545	2.1635	1.8943	8.8700e-003	0.5244	0.0128	0.5372	0.1421	0.0121	0.1542	0.0000	836.2058	836.2058	0.0470	0.0000	837.3799
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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	0.1878	1.5771	1.6347	2.3800e-003		0.1006	0.1006		0.0950	0.0950	0.0000	204.1066	204.1066	0.0460	0.0000	205.2555
Total	0.1878	1.5771	1.6347	2.3800e-003		0.1006	0.1006		0.0950	0.0950	0.0000	204.1066	204.1066	0.0460	0.0000	205.2555

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	0.0677	2.0252	0.5381	4.8100e-003	0.1179	9.8800e-003	0.1278	0.0341	9.4500e-003	0.0435	0.0000	468.8026	468.8026	0.0359	0.0000	469.7010
Worker	0.1868	0.1383	1.3563	4.0600e-003	0.4065	2.9200e-003	0.4094	0.1080	2.6900e-003	0.1107	0.0000	367.4032	367.4032	0.0110	0.0000	367.6789
Total	0.2545	2.1635	1.8943	8.8700e-003	0.5244	0.0128	0.5372	0.1421	0.0121	0.1542	0.0000	836.2058	836.2058	0.0470	0.0000	837.3799

3.10 Phase 2 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	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626
Total	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626

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	0.0658	2.1860	0.5830	5.7000e-003	0.1412	4.6300e-003	0.1458	0.0408	4.4200e-003	0.0452	0.0000	556.1222	556.1222	0.0413	0.0000	557.1540
Worker	0.2109	0.1505	1.5160	4.7000e-003	0.4866	3.4400e-003	0.4901	0.1293	3.1700e-003	0.1325	0.0000	425.0946	425.0946	0.0122	0.0000	425.3992
Total	0.2767	2.3365	2.0990	0.0104	0.6278	8.0700e-003	0.6359	0.1701	7.5900e-003	0.1777	0.0000	981.2168	981.2168	0.0535	0.0000	982.5533

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	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623
Total	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623

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	0.0658	2.1860	0.5830	5.7000e-003	0.1412	4.6300e-003	0.1458	0.0408	4.4200e-003	0.0452	0.0000	556.1222	556.1222	0.0413	0.0000	557.1540
Worker	0.2109	0.1505	1.5160	4.7000e-003	0.4866	3.4400e-003	0.4901	0.1293	3.1700e-003	0.1325	0.0000	425.0946	425.0946	0.0122	0.0000	425.3992
Total	0.2767	2.3365	2.0990	0.0104	0.6278	8.0700e-003	0.6359	0.1701	7.5900e-003	0.1777	0.0000	981.2168	981.2168	0.0535	0.0000	982.5533

3.10 Phase 2 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	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5759	243.5759	0.0535	0.0000	244.9138
Total	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5759	243.5759	0.0535	0.0000	244.9138

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	0.0609	2.0564	0.5498	5.6100e-003	0.1407	3.9700e-003	0.1446	0.0406	3.7900e-003	0.0444	0.0000	548.7451	548.7451	0.0398	0.0000	549.7409
Worker	0.1989	0.1367	1.4021	4.5100e-003	0.4848	3.3600e-003	0.4881	0.1288	3.0900e-003	0.1319	0.0000	407.9426	407.9426	0.0111	0.0000	408.2205
Total	0.2598	2.1931	1.9519	0.0101	0.6254	7.3300e-003	0.6327	0.1694	6.8800e-003	0.1763	0.0000	956.6877	956.6877	0.0510	0.0000	957.9614

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	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5756	243.5756	0.0535	0.0000	244.9135
Total	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5756	243.5756	0.0535	0.0000	244.9135

Mitigated Construction Off-Site

Vendor	8.1400e-003	0.2796	0.0867	9.5000e-004	0.0243	3.4000e-004	0.0247	7.0300e-003	3.2000e-004	7.3500e-003	0.0000	92.5842	92.5842	6.3000e-003	0.0000	92.7416
Worker	0.0326	0.0216	0.2251	7.5000e-004	0.0839	5.7000e-004	0.0845	0.0223	5.2000e-004	0.0228	0.0000	67.9085	67.9085	1.7600e-003	0.0000	67.9525
Total	0.0408	0.3012	0.3117	1.7000e-003	0.1082	9.1000e-004	0.1092	0.0293	8.4000e-004	0.0302	0.0000	160.4927	160.4927	8.0600e-003	0.0000	160.6941

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	0.0285	0.2485	0.3294	4.9000e-004		0.0126	0.0126		0.0119	0.0119	0.0000	42.1754	42.1754	9.1800e-003	0.0000	42.4049
Total	0.0285	0.2485	0.3294	4.9000e-004		0.0126	0.0126		0.0119	0.0119	0.0000	42.1754	42.1754	9.1800e-003	0.0000	42.4049

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.1400e-003	0.2796	0.0867	9.5000e-004	0.0243	3.4000e-004	0.0247	7.0300e-003	3.2000e-004	7.3500e-003	0.0000	92.5842	92.5842	6.3000e-003	0.0000	92.7416
Worker	0.0326	0.0216	0.2251	7.5000e-004	0.0839	5.7000e-004	0.0845	0.0223	5.2000e-004	0.0228	0.0000	67.9085	67.9085	1.7600e-003	0.0000	67.9525
Total	0.0408	0.3012	0.3117	1.7000e-003	0.1082	9.1000e-004	0.1092	0.0293	8.4000e-004	0.0302	0.0000	160.4927	160.4927	8.0600e-003	0.0000	160.6941

3.11 Phase 2 Architectural Coating - 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					
Archit. Coating	4.3525					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.1835	0.1996	3.2000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	27.8305	27.8305	2.1500e-003	0.0000	27.8843
Total	4.3789	0.1835	0.1996	3.2000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	27.8305	27.8305	2.1500e-003	0.0000	27.8843

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0277	0.2713	8.1000e-004	0.0813	5.8000e-004	0.0819	0.0216	5.4000e-004	0.0221	0.0000	73.4806	73.4806	2.2100e-003	0.0000	73.5358
Total	0.0374	0.0277	0.2713	8.1000e-004	0.0813	5.8000e-004	0.0819	0.0216	5.4000e-004	0.0221	0.0000	73.4806	73.4806	2.2100e-003	0.0000	73.5358

Mitigated Construction On-Site

Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	5.2396	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799
Total	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799

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	5.2110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771
Total	5.2396	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799
Total	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799

3.11 Phase 2 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	5.1910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	5.2176	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

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
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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
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	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441
Total	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441

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	5.1910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	5.2176	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

Mitigated Construction Off-Site

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

Worker	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441
Total	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441

3.11 Phase 2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8985					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3100e-003	0.0293	0.0408	7.0000e-005		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	5.7448	5.7448	3.4000e-004	0.0000	5.7534
Total	0.9028	0.0293	0.0408	7.0000e-005		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	5.7448	5.7448	3.4000e-004	0.0000	5.7534

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	6.5200e-003	4.3200e-003	0.0450	1.5000e-004	0.0168	1.1000e-004	0.0169	4.4600e-003	1.0000e-004	4.5600e-003	0.0000	13.5817	13.5817	3.5000e-004	0.0000	13.5905
Total	6.5200e-003	4.3200e-003	0.0450	1.5000e-004	0.0168	1.1000e-004	0.0169	4.4600e-003	1.0000e-004	4.5600e-003	0.0000	13.5817	13.5817	3.5000e-004	0.0000	13.5905

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	0.8985					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3100e-003	0.0293	0.0408	7.0000e-005		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	5.7448	5.7448	3.4000e-004	0.0000	5.7534
Total	0.9028	0.0293	0.0408	7.0000e-005		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	5.7448	5.7448	3.4000e-004	0.0000	5.7534

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	6.5200e-003	4.3200e-003	0.0450	1.5000e-004	0.0168	1.1000e-004	0.0169	4.4600e-003	1.0000e-004	4.5600e-003	0.0000	13.5817	13.5817	3.5000e-004	0.0000	13.5905
Total	6.5200e-003	4.3200e-003	0.0450	1.5000e-004	0.0168	1.1000e-004	0.0169	4.4600e-003	1.0000e-004	4.5600e-003	0.0000	13.5817	13.5817	3.5000e-004	0.0000	13.5905

3.12 Phase 4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					0.1180	0.0000	0.1180	0.0127	0.0000	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5971	5.9446	3.8569	9.1800e-003		0.2823	0.2823		0.2600	0.2600	0.0000	805.7249	805.7249	0.2520	0.0000	812.0242
Total	0.5971	5.9446	3.8569	9.1800e-003	0.1180	0.2823	0.4003	0.0127	0.2600	0.2727	0.0000	805.7249	805.7249	0.2520	0.0000	812.0242

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0123	9.1100e-003	0.0893	2.7000e-004	0.0268	1.9000e-004	0.0270	7.1100e-003	1.8000e-004	7.2900e-003	0.0000	24.1927	24.1927	7.3000e-004	0.0000	24.2109
Total	0.0123	9.1100e-003	0.0893	2.7000e-004	0.0268	1.9000e-004	0.0270	7.1100e-003	1.8000e-004	7.2900e-003	0.0000	24.1927	24.1927	7.3000e-004	0.0000	24.2109

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					0.0437	0.0000	0.0437	4.7200e-003	0.0000	4.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5971	5.9446	3.8569	9.1800e-003		0.2823	0.2823		0.2600	0.2600	0.0000	805.7239	805.7239	0.2520	0.0000	812.0233

Total	0.5971	5.9446	3.8569	9.1800e-003	0.0437	0.2823	0.3260	4.7200e-003	0.2600	0.2647	0.0000	805.7239	805.7239	0.2520	0.0000	812.0233
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0123	9.1100e-003	0.0893	2.7000e-004	0.0268	1.9000e-004	0.0270	7.1100e-003	1.8000e-004	7.2900e-003	0.0000	24.1927	24.1927	7.3000e-004	0.0000	24.2109
Total	0.0123	9.1100e-003	0.0893	2.7000e-004	0.0268	1.9000e-004	0.0270	7.1100e-003	1.8000e-004	7.2900e-003	0.0000	24.1927	24.1927	7.3000e-004	0.0000	24.2109

3.13 Phase 3 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	0.0297	0.2975	0.2433	3.9000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	34.3141	34.3141	0.0111	0.0000	34.5916
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0310	0.2975	0.2433	3.9000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	34.3141	34.3141	0.0111	0.0000	34.5916

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	9.7000e-004	7.2000e-004	7.0800e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1400e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9173	1.9173	6.0000e-005	0.0000	1.9187
Total	9.7000e-004	7.2000e-004	7.0800e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1400e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9173	1.9173	6.0000e-005	0.0000	1.9187

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	0.0297	0.2975	0.2433	3.9000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	34.3141	34.3141	0.0111	0.0000	34.5915
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0310	0.2975	0.2433	3.9000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	34.3141	34.3141	0.0111	0.0000	34.5915

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	9.7000e-004	7.2000e-004	7.0800e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1400e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9173	1.9173	6.0000e-005	0.0000	1.9187
Total	9.7000e-004	7.2000e-004	7.0800e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1400e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9173	1.9173	6.0000e-005	0.0000	1.9187

3.14 Phase 3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1120	0.9405	0.9748	1.4200e-003		0.0600	0.0600		0.0566	0.0566	0.0000	121.7151	121.7151	0.0274	0.0000	122.4002
Total	0.1120	0.9405	0.9748	1.4200e-003		0.0600	0.0600		0.0566	0.0566	0.0000	121.7151	121.7151	0.0274	0.0000	122.4002

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	0.0404	1.2077	0.3209	2.8700e-003	0.0703	5.8900e-003	0.0762	0.0203	5.6400e-003	0.0259	0.0000	279.5612	279.5612	0.0214	0.0000	280.0969
Worker	0.1114	0.0825	0.8088	2.4200e-003	0.2424	1.7400e-003	0.2441	0.0644	1.6100e-003	0.0660	0.0000	219.0936	219.0936	6.5800e-003	0.0000	219.2581

Total	0.1518	1.2902	1.1297	5.2900e-003	0.3127	7.6300e-003	0.3203	0.0847	7.2500e-003	0.0920	0.0000	498.6548	498.6548	0.0280	0.0000	499.3550
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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	0.1120	0.9405	0.9748	1.4200e-003		0.0600	0.0600		0.0566	0.0566	0.0000	121.7150	121.7150	0.0274	0.0000	122.4000
Total	0.1120	0.9405	0.9748	1.4200e-003		0.0600	0.0600		0.0566	0.0566	0.0000	121.7150	121.7150	0.0274	0.0000	122.4000

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	0.0404	1.2077	0.3209	2.8700e-003	0.0703	5.8900e-003	0.0762	0.0203	5.6400e-003	0.0259	0.0000	279.5612	279.5612	0.0214	0.0000	280.0969
Worker	0.1114	0.0825	0.8088	2.4200e-003	0.2424	1.7400e-003	0.2441	0.0644	1.6100e-003	0.0660	0.0000	219.0936	219.0936	6.5800e-003	0.0000	219.2581
Total	0.1518	1.2902	1.1297	5.2900e-003	0.3127	7.6300e-003	0.3203	0.0847	7.2500e-003	0.0920	0.0000	498.6548	498.6548	0.0280	0.0000	499.3550

3.14 Phase 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626
Total	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626

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	0.0658	2.1860	0.5830	5.7000e-003	0.1412	4.6300e-003	0.1458	0.0408	4.4200e-003	0.0452	0.0000	556.1222	556.1222	0.0413	0.0000	557.1540
Worker	0.2109	0.1505	1.5160	4.7000e-003	0.4866	3.4400e-003	0.4901	0.1293	3.1700e-003	0.1325	0.0000	425.0946	425.0946	0.0122	0.0000	425.3992
Total	0.2767	2.3365	2.0990	0.0104	0.6278	8.0700e-003	0.6359	0.1701	7.5900e-003	0.1777	0.0000	981.2168	981.2168	0.0535	0.0000	982.5533

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	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623
Total	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623

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	0.0658	2.1860	0.5830	5.7000e-003	0.1412	4.6300e-003	0.1458	0.0408	4.4200e-003	0.0452	0.0000	556.1222	556.1222	0.0413	0.0000	557.1540
Worker	0.2109	0.1505	1.5160	4.7000e-003	0.4866	3.4400e-003	0.4901	0.1293	3.1700e-003	0.1325	0.0000	425.0946	425.0946	0.0122	0.0000	425.3992
Total	0.2767	2.3365	2.0990	0.0104	0.6278	8.0700e-003	0.6359	0.1701	7.5900e-003	0.1777	0.0000	981.2168	981.2168	0.0535	0.0000	982.5533

3.14 Phase 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5759	243.5759	0.0535	0.0000	244.9138
Total	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5759	243.5759	0.0535	0.0000	244.9138

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	0.0609	2.0564	0.5498	5.6100e-003	0.1407	3.9700e-003	0.1446	0.0406	3.7900e-003	0.0444	0.0000	548.7451	548.7451	0.0398	0.0000	549.7409
Worker	0.1989	0.1367	1.4021	4.5100e-003	0.4848	3.3600e-003	0.4881	0.1288	3.0900e-003	0.1319	0.0000	407.9426	407.9426	0.0111	0.0000	408.2205
Total	0.2598	2.1931	1.9519	0.0101	0.6254	7.3300e-003	0.6327	0.1694	6.8800e-003	0.1763	0.0000	956.6877	956.6877	0.0510	0.0000	957.9614

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	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5756	243.5756	0.0535	0.0000	244.9135
Total	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5756	243.5756	0.0535	0.0000	244.9135

Mitigated Construction Off-Site

Vendor	0.0237	0.8140	0.2523	2.7500e-003	0.0709	9.8000e-004	0.0718	0.0205	9.3000e-004	0.0214	0.0000	269.5230	269.5230	0.0183	0.0000	269.9812
Worker	0.0950	0.0629	0.6552	2.1900e-003	0.2442	1.6600e-003	0.2459	0.0649	1.5300e-003	0.0664	0.0000	197.6891	197.6891	5.1200e-003	0.0000	197.8172
Total	0.1187	0.8768	0.9074	4.9400e-003	0.3151	2.6400e-003	0.3177	0.0854	2.4600e-003	0.0878	0.0000	467.2121	467.2121	0.0235	0.0000	467.7983

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	0.0829	0.7235	0.9589	1.4300e-003		0.0367	0.0367		0.0347	0.0347	0.0000	122.7773	122.7773	0.0267	0.0000	123.4453
Total	0.0829	0.7235	0.9589	1.4300e-003		0.0367	0.0367		0.0347	0.0347	0.0000	122.7773	122.7773	0.0267	0.0000	123.4453

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	0.0237	0.8140	0.2523	2.7500e-003	0.0709	9.8000e-004	0.0718	0.0205	9.3000e-004	0.0214	0.0000	269.5230	269.5230	0.0183	0.0000	269.9812
Worker	0.0950	0.0629	0.6552	2.1900e-003	0.2442	1.6600e-003	0.2459	0.0649	1.5300e-003	0.0664	0.0000	197.6891	197.6891	5.1200e-003	0.0000	197.8172
Total	0.1187	0.8768	0.9074	4.9400e-003	0.3151	2.6400e-003	0.3177	0.0854	2.4600e-003	0.0878	0.0000	467.2121	467.2121	0.0235	0.0000	467.7983

3.15 Phase 3 Architectural Coating - 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					
Archit. Coating	2.6022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1095	0.1190	1.9000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	16.5962	16.5962	1.2800e-003	0.0000	16.6283
Total	2.6179	0.1095	0.1190	1.9000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	16.5962	16.5962	1.2800e-003	0.0000	16.6283

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0165	0.1618	4.8000e-004	0.0485	3.5000e-004	0.0488	0.0129	3.2000e-004	0.0132	0.0000	43.8187	43.8187	1.3200e-003	0.0000	43.8516
Total	0.0223	0.0165	0.1618	4.8000e-004	0.0485	3.5000e-004	0.0488	0.0129	3.2000e-004	0.0132	0.0000	43.8187	43.8187	1.3200e-003	0.0000	43.8516

Mitigated Construction On-Site

Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	5.2529	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799
Total	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799

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	5.2243					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771
Total	5.2529	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799
Total	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799

3.15 Phase 3 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	5.2043					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	5.2309	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

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
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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
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	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441
Total	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441

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	5.2043					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	5.2309	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

Mitigated Construction Off-Site

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

Worker	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441
Total	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441

3.15 Phase 3 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6222					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0126	0.0854	0.1186	1.9000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	16.7238	16.7238	1.0000e-003	0.0000	16.7488
Total	2.6347	0.0854	0.1186	1.9000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	16.7238	16.7238	1.0000e-003	0.0000	16.7488

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0190	0.0126	0.1310	4.4000e-004	0.0489	3.3000e-004	0.0492	0.0130	3.1000e-004	0.0133	0.0000	39.5378	39.5378	1.0200e-003	0.0000	39.5634
Total	0.0190	0.0126	0.1310	4.4000e-004	0.0489	3.3000e-004	0.0492	0.0130	3.1000e-004	0.0133	0.0000	39.5378	39.5378	1.0200e-003	0.0000	39.5634

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	2.6222					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0126	0.0854	0.1186	1.9000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	16.7238	16.7238	1.0000e-003	0.0000	16.7488
Total	2.6347	0.0854	0.1186	1.9000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	16.7238	16.7238	1.0000e-003	0.0000	16.7488

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0190	0.0126	0.1310	4.4000e-004	0.0489	3.3000e-004	0.0492	0.0130	3.1000e-004	0.0133	0.0000	39.5378	39.5378	1.0200e-003	0.0000	39.5634
Total	0.0190	0.0126	0.1310	4.4000e-004	0.0489	3.3000e-004	0.0492	0.0130	3.1000e-004	0.0133	0.0000	39.5378	39.5378	1.0200e-003	0.0000	39.5634

3.16 Phase 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
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Total	0.0297	0.2845	0.2327	3.7000e-004		0.0164	0.0164		0.0151	0.0151	0.0000	32.8222	32.8222	0.0106	0.0000	33.0875
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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	9.3000e-004	6.9000e-004	6.7700e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.8339	1.8339	6.0000e-005	0.0000	1.8353
Total	9.3000e-004	6.9000e-004	6.7700e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.8339	1.8339	6.0000e-005	0.0000	1.8353

3.17 Phase 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	0.0371	0.3111	0.3225	4.7000e-004		0.0198	0.0198		0.0187	0.0187	0.0000	40.2596	40.2596	9.0600e-003	0.0000	40.4862
Total	0.0371	0.3111	0.3225	4.7000e-004		0.0198	0.0198		0.0187	0.0187	0.0000	40.2596	40.2596	9.0600e-003	0.0000	40.4862

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	0.0134	0.3995	0.1061	9.5000e-004	0.0233	1.9500e-003	0.0252	6.7200e-003	1.8600e-003	8.5800e-003	0.0000	92.4702	92.4702	7.0900e-003	0.0000	92.6474
Worker	0.0369	0.0273	0.2675	8.0000e-004	0.0802	5.8000e-004	0.0808	0.0213	5.3000e-004	0.0218	0.0000	72.4694	72.4694	2.1800e-003	0.0000	72.5238
Total	0.0502	0.4267	0.3737	1.7500e-003	0.1034	2.5300e-003	0.1060	0.0280	2.3900e-003	0.0304	0.0000	164.9397	164.9397	9.2700e-003	0.0000	165.1713

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	0.0371	0.3111	0.3225	4.7000e-004		0.0198	0.0198		0.0187	0.0187	0.0000	40.2596	40.2596	9.0600e-003	0.0000	40.4862
Total	0.0371	0.3111	0.3225	4.7000e-004		0.0198	0.0198		0.0187	0.0187	0.0000	40.2596	40.2596	9.0600e-003	0.0000	40.4862

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	0.0134	0.3995	0.1061	9.5000e-004	0.0233	1.9500e-003	0.0252	6.7200e-003	1.8600e-003	8.5800e-003	0.0000	92.4702	92.4702	7.0900e-003	0.0000	92.6474
Worker	0.0369	0.0273	0.2675	8.0000e-004	0.0802	5.8000e-004	0.0808	0.0213	5.3000e-004	0.0218	0.0000	72.4694	72.4694	2.1800e-003	0.0000	72.5238
Total	0.0502	0.4267	0.3737	1.7500e-003	0.1034	2.5300e-003	0.1060	0.0280	2.3900e-003	0.0304	0.0000	164.9397	164.9397	9.2700e-003	0.0000	165.1713

3.17 Phase 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	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626
Total	0.2009	1.7212	1.9367	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4074	244.4074	0.0542	0.0000	245.7626

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	0.0658	2.1860	0.5830	5.7000e-003	0.1412	4.6300e-003	0.1458	0.0408	4.4200e-003	0.0452	0.0000	556.1222	556.1222	0.0413	0.0000	557.1540
Worker	0.2109	0.1505	1.5160	4.7000e-003	0.4866	3.4400e-003	0.4901	0.1293	3.1700e-003	0.1325	0.0000	425.0946	425.0946	0.0122	0.0000	425.3992

Total	0.2767	2.3365	2.0990	0.0104	0.6278	8.0700e-003	0.6359	0.1701	7.5900e-003	0.1777	0.0000	981.2168	981.2168	0.0535	0.0000	982.5533
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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	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623
Total	0.2009	1.7212	1.9366	2.8500e-003		0.1026	0.1026		0.0969	0.0969	0.0000	244.4071	244.4071	0.0542	0.0000	245.7623

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	0.0658	2.1860	0.5830	5.7000e-003	0.1412	4.6300e-003	0.1458	0.0408	4.4200e-003	0.0452	0.0000	556.1222	556.1222	0.0413	0.0000	557.1540
Worker	0.2109	0.1505	1.5160	4.7000e-003	0.4866	3.4400e-003	0.4901	0.1293	3.1700e-003	0.1325	0.0000	425.0946	425.0946	0.0122	0.0000	425.3992
Total	0.2767	2.3365	2.0990	0.0104	0.6278	8.0700e-003	0.6359	0.1701	7.5900e-003	0.1777	0.0000	981.2168	981.2168	0.0535	0.0000	982.5533

3.17 Phase 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	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5759	243.5759	0.0535	0.0000	244.9138
Total	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5759	243.5759	0.0535	0.0000	244.9138

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	0.0609	2.0564	0.5498	5.6100e-003	0.1407	3.9700e-003	0.1446	0.0406	3.7900e-003	0.0444	0.0000	548.7451	548.7451	0.0398	0.0000	549.7409
Worker	0.1989	0.1367	1.4021	4.5100e-003	0.4848	3.3600e-003	0.4881	0.1288	3.0900e-003	0.1319	0.0000	407.9426	407.9426	0.0111	0.0000	408.2205
Total	0.2598	2.1931	1.9519	0.0101	0.6254	7.3300e-003	0.6327	0.1694	6.8800e-003	0.1763	0.0000	956.6877	956.6877	0.0510	0.0000	957.9614

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	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5756	243.5756	0.0535	0.0000	244.9135
Total	0.1794	1.5541	1.9120	2.8500e-003		0.0854	0.0854		0.0808	0.0808	0.0000	243.5756	243.5756	0.0535	0.0000	244.9135

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	0.0609	2.0564	0.5498	5.6100e-003	0.1407	3.9700e-003	0.1446	0.0406	3.7900e-003	0.0444	0.0000	548.7451	548.7451	0.0398	0.0000	549.7409
Worker	0.1989	0.1367	1.4021	4.5100e-003	0.4848	3.3600e-003	0.4881	0.1288	3.0900e-003	0.1319	0.0000	407.9426	407.9426	0.0111	0.0000	408.2205
Total	0.2598	2.1931	1.9519	0.0101	0.6254	7.3300e-003	0.6327	0.1694	6.8800e-003	0.1763	0.0000	956.6877	956.6877	0.0510	0.0000	957.9614

3.17 Phase 4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1392	1.2151	1.6103	2.4100e-003		0.0616	0.0616		0.0583	0.0583	0.0000	206.1911	206.1911	0.0449	0.0000	207.3130
Total	0.1392	1.2151	1.6103	2.4100e-003		0.0616	0.0616		0.0583	0.0583	0.0000	206.1911	206.1911	0.0449	0.0000	207.3130

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	0.0398	1.3669	0.4237	4.6200e-003	0.1190	1.6400e-003	0.1207	0.0344	1.5700e-003	0.0359	0.0000	452.6340	452.6340	0.0308	0.0000	453.4035
Worker	0.1595	0.1056	1.1003	3.6700e-003	0.4102	2.7800e-003	0.4130	0.1090	2.5600e-003	0.1116	0.0000	331.9970	331.9970	8.6000e-003	0.0000	332.2120
Total	0.1993	1.4725	1.5239	8.2900e-003	0.5292	4.4200e-003	0.5336	0.1434	4.1300e-003	0.1475	0.0000	784.6310	784.6310	0.0394	0.0000	785.6155

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	0.1392	1.2151	1.6103	2.4100e-003		0.0616	0.0616		0.0583	0.0583	0.0000	206.1908	206.1908	0.0449	0.0000	207.3127
Total	0.1392	1.2151	1.6103	2.4100e-003		0.0616	0.0616		0.0583	0.0583	0.0000	206.1908	206.1908	0.0449	0.0000	207.3127

Mitigated Construction Off-Site

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	7.3700e-003	5.4600e-003	0.0535	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2600e-003	1.1000e-004	4.3700e-003	0.0000	14.4939	14.4939	4.4000e-004	0.0000	14.5048
Total	7.3700e-003	5.4600e-003	0.0535	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2600e-003	1.1000e-004	4.3700e-003	0.0000	14.4939	14.4939	4.4000e-004	0.0000	14.5048

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	0.8585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0362	0.0394	6.0000e-005		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	5.4895	5.4895	4.3000e-004	0.0000	5.5001
Total	0.8637	0.0362	0.0394	6.0000e-005		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	5.4895	5.4895	4.3000e-004	0.0000	5.5001

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	7.3700e-003	5.4600e-003	0.0535	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2600e-003	1.1000e-004	4.3700e-003	0.0000	14.4939	14.4939	4.4000e-004	0.0000	14.5048
Total	7.3700e-003	5.4600e-003	0.0535	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2600e-003	1.1000e-004	4.3700e-003	0.0000	14.4939	14.4939	4.4000e-004	0.0000	14.5048

3.18 Phase 4 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	5.2110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	5.2396	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799
Total	0.0422	0.0301	0.3032	9.4000e-004	0.0973	6.9000e-004	0.0980	0.0259	6.3000e-004	0.0265	0.0000	85.0189	85.0189	2.4400e-003	0.0000	85.0799

Mitigated Construction On-Site

Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	5.2176	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441
Total	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441

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	5.1910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	5.2176	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441
Total	0.0398	0.0273	0.2804	9.0000e-004	0.0970	6.7000e-004	0.0976	0.0258	6.2000e-004	0.0264	0.0000	81.5885	81.5885	2.2200e-003	0.0000	81.6441

3.18 Phase 4 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3924					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.1433	0.1992	3.3000e-004		7.7900e-003	7.7900e-003		7.7900e-003	7.7900e-003	0.0000	28.0858	28.0858	1.6800e-003	0.0000	28.1278
Total	4.4135	0.1433	0.1992	3.3000e-004		7.7900e-003	7.7900e-003		7.7900e-003	7.7900e-003	0.0000	28.0858	28.0858	1.6800e-003	0.0000	28.1278

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
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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
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	0.0319	0.0211	0.2201	7.3000e-004	0.0820	5.6000e-004	0.0826	0.0218	5.1000e-004	0.0223	0.0000	66.3994	66.3994	1.7200e-003	0.0000	66.4424
Total	0.0319	0.0211	0.2201	7.3000e-004	0.0820	5.6000e-004	0.0826	0.0218	5.1000e-004	0.0223	0.0000	66.3994	66.3994	1.7200e-003	0.0000	66.4424

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	4.3924					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.1433	0.1992	3.3000e-004		7.7900e-003	7.7900e-003		7.7900e-003	7.7900e-003	0.0000	28.0858	28.0858	1.6800e-003	0.0000	28.1278
Total	4.4135	0.1433	0.1992	3.3000e-004		7.7900e-003	7.7900e-003		7.7900e-003	7.7900e-003	0.0000	28.0858	28.0858	1.6800e-003	0.0000	28.1278

Mitigated Construction Off-Site

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

Worker	0.0319	0.0211	0.2201	7.3000e-004	0.0820	5.6000e-004	0.0826	0.0218	5.1000e-004	0.0223	0.0000	66.3994	66.3994	1.7200e-003	0.0000	66.4424
Total	0.0319	0.0211	0.2201	7.3000e-004	0.0820	5.6000e-004	0.0826	0.0218	5.1000e-004	0.0223	0.0000	66.3994	66.3994	1.7200e-003	0.0000	66.4424

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	1.7514	7.5075	24.5948	0.0995	10.0188	0.0764	10.0952	2.6824	0.0711	2.7534	0.0000	9,201.7880	9,201.7880	0.4319	0.0000	9,212.5861
Unmitigated	1.7610	7.5555	24.8059	0.1004	10.1200	0.0771	10.1971	2.7095	0.0717	2.7812	0.0000	9,291.0574	9,291.0574	0.4358	0.0000	9,301.9514

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	37.24	37.24	37.24	140,497	139,092
Government Office Building	138.03	138.03	138.03	417,870	413,692
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	5,736.50	5,736.50	5,736.50	26,302,836	26,039,808
Total	5,911.77	5,911.77	5,911.77	26,861,204	26,592,592

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-S	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.19	14.19	14.19	33.00	48.00	19.00	66	28	6
Government Office Building	14.19	14.19	14.19	33.00	62.00	5.00	50	34	16
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	14.19	14.19	14.19	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Parking Lot	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
City Park	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Health Club	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950
Single Family Housing	0.609162	0.038894	0.178600	0.101308	0.013823	0.005356	0.016956	0.024628	0.001928	0.001823	0.005807	0.000764	0.000950

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,349.8029	1,349.8029	0.0543	0.0112	1,354.5108
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,621.3842	1,621.3842	0.0653	0.0135	1,627.0394

NaturalGas Mitigated	0.0558	0.4777	0.2067	3.0500e-003		0.0386	0.0386		0.0386	0.0386	0.0000	552.6206	552.6206	0.0106	0.0101	555.9045
NaturalGas Unmitigated	0.0857	0.7332	0.3166	4.6800e-003		0.0592	0.0592		0.0592	0.0592	0.0000	848.3072	848.3072	0.0163	0.0156	853.3483

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					
City Park	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
Government Office Building	138850	7.5000e-004	6.8100e-003	5.7200e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	7.4095	7.4095	1.4000e-004	1.4000e-004	7.4536
Health Club	86925	4.7000e-004	4.2600e-003	3.5800e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.6387	4.6387	9.0000e-005	9.0000e-005	4.6662
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.56709e+007	0.0845	0.7221	0.3073	4.6100e-003		0.0584	0.0584		0.0584	0.0584	0.0000	836.2590	836.2590	0.0160	0.0153	841.2285
Total		0.0857	0.7332	0.3166	4.6800e-003		0.0592	0.0592		0.0592	0.0592	0.0000	848.3072	848.3072	0.0163	0.0156	853.3483

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					
City Park	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
Government Office Building	93716.9	5.1000e-004	4.5900e-003	3.8600e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0011	5.0011	1.0000e-004	9.0000e-005	5.0308
Health Club	73579.5	4.0000e-004	3.6100e-003	3.0300e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9265	3.9265	8.0000e-005	7.0000e-005	3.9498

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.01884e+007	0.0549	0.4695	0.1998	3.0000e-003		0.0380	0.0380		0.0380	0.0380	0.0000	543.6930	543.6930	0.0104	9.9700e-003	546.9239
Total		0.0559	0.4777	0.2067	3.0500e-003		0.0386	0.0386		0.0386	0.0386	0.0000	552.6206	552.6206	0.0106	0.0101	555.9046

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	94256	30.8037	1.2400e-003	2.6000e-004	30.9111
Health Club	63375	20.7115	8.3000e-004	1.7000e-004	20.7838
Parking Lot	38332.8	12.5275	5.0000e-004	1.0000e-004	12.5712
Single Family Housing	4.7653e+006	1,557.3415	0.0627	0.0130	1,562.7734
Total		1,621.3842	0.0653	0.0135	1,627.0394

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	60462.9	19.7598	8.0000e-004	1.6000e-004	19.8287

Consumer Products	3.9308					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9786	0.3629	1.1839	3.8900e-003		0.1701	0.1701		0.1701	0.1701	12.6259	408.0026	420.6285	7.8200e-003	8.5900e-003	423.3851
Landscaping	0.1225	0.0470	4.0802	2.2000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	6.6714	6.6714	6.3900e-003	0.0000	6.8311
Total	6.5987	0.4099	5.2641	4.1100e-003		0.1928	0.1928		0.1928	0.1928	12.6259	414.6740	427.2999	0.0142	8.5900e-003	430.2162

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	1.5668						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9308						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9786	0.3629	1.1839	3.8900e-003		0.1701	0.1701		0.1701	0.1701	12.6259	408.0026	420.6285	7.8200e-003	8.5900e-003	423.3851
Landscaping	0.1225	0.0470	4.0802	2.2000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	6.6714	6.6714	6.3900e-003	0.0000	6.8311
Total	6.5987	0.4099	5.2641	4.1100e-003		0.1928	0.1928		0.1928	0.1928	12.6259	414.6740	427.2999	0.0142	8.5900e-003	430.2162

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	272.5079	0.9918	0.0254	304.8585
Unmitigated	315.6881	1.2387	0.0315	356.0393

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.8467	57.5369	2.3200e-003	4.8000e-004	57.7376
Government Office Building	1.36082 / 0.83405	9.2508	0.0447	1.1200e-003	10.7022
Health Club	0.443574 / 0.271868	3.0154	0.0146	3.7000e-004	3.4885
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	35.8347 / 22.5915	245.8850	1.1771	0.0295	284.1111
Total		315.6881	1.2387	0.0315	356.0393

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 14.8801	54.0272	2.1700e-003	4.5000e-004	54.2156
Government Office Building	1.08866 / 0.783173	7.8216	0.0358	9.0000e-004	8.9841
Health Club	0.354859 / 0.255284	2.5495	0.0117	2.9000e-004	2.9285
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.6678 / 21.2134	208.1096	0.9422	0.0237	238.7303
Total		272.5079	0.9918	0.0254	304.8585

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	70.5586	4.1699	0.0000	174.8061
Unmitigated	141.1173	8.3398	0.0000	349.6121

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.14	0.2314	0.0137	0.0000	0.5733
Government Office Building	6.37	1.2931	0.0764	0.0000	3.2035
Health Club	42.75	8.6779	0.5129	0.0000	21.4990
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	644.93	130.9150	7.7369	0.0000	324.3363
Total		141.1173	8.3398	0.0000	349.6121

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Government Office Building	3.185	0.6465	0.0382	0.0000	1.6017
Health Club	21.375	4.3389	0.2564	0.0000	10.7495
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	322.465	65.4575	3.8684	0.0000	162.1681

Total		70.5586	4.1699	0.0000	174.8061
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9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
