

**Appendix B:
Air Quality, Greenhouse Gas Emissions Supporting Information**

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Appendix B: Air Quality, Greenhouse Gases Emissions and Supporting Information

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Project Construction Emissions Summary

Model File: Fresno SEDA EIR Project - Fresno County, Annual

Timestamp: Date: 6/22/2022 9:53 AM

	ROG	NO _x	CO	SO ₂	Fugitive PM ₁₀	Exhaust PM ₁₀	PM ₁₀ Total	Fugitive PM _{2.5}	Exhaust PM _{2.5}	PM _{2.5} Total	Bio- CO ₂	NBio- CO ₂	Total CO ₂	CH ₄	N ₂ O	CO ₂ e
Year	tons/yr										MT/yr					
2024	1770.5964	201.5825	340.2451	1.6208	129.3799	2.1115	131.4914	35.2252	1.9855	37.2107	0	151683.704	151683.704	3.2035	12.9239	155615.1
2025	668.3045	188.8548	285.1465	1.4749	117.1887	1.7204	118.9091	31.761	1.6238	33.3848	0	138266.822	138266.822	2.4773	12.3046	141995.5
2026	30.4544	180.529	251.5594	1.3802	110.2011	1.4874	111.6886	29.8676	1.4089	31.2765	0	129564.913	129564.913	1.9166	11.8712	133150.4
2027	28.7114	178.017	239.1028	1.3455	110.2011	1.46	111.6611	29.8676	1.3833	31.2509	0	126314.12	126314.12	1.7689	11.5651	129804.8
2028	27.0101	175.3334	227.9141	1.3084	109.779	1.4266	111.2056	29.7532	1.3522	31.1054	0	122839.698	122839.698	1.6365	11.2392	126229.9
2029	25.5933	174.0968	219.8407	1.2838	110.2012	1.4042	111.6054	29.8677	1.3314	31.1991	0	120532.5	120532.5	1.5317	11.0196	123854.6
2030	24.1589	171.9972	212.3085	1.2576	110.2013	1.3298	111.5311	29.8677	1.2629	31.1306	0	118074.578	118074.578	1.3778	10.7859	121323.2
2031	22.8046	170.8218	205.8132	1.234	110.2014	1.3075	111.5089	29.8677	1.2422	31.1099	0	115855.553	115855.553	1.2921	10.582	119041.3
2032	21.6999	170.5107	201.1399	1.2178	110.6236	1.2918	111.9154	29.9822	1.2277	31.2099	0	114335.927	114335.927	1.2224	10.4461	117479.4
2033	20.472	168.4612	195.0109	1.1902	109.7792	1.2633	111.0426	29.7533	1.2011	30.9544	0	111750.226	111750.226	1.149	10.2156	114823.2
2034	19.5487	167.7409	191.0233	1.1739	109.7793	1.2452	111.0245	29.7533	1.1843	30.9376	0	110224.391	110224.391	1.092	10.0823	113256.2
2035	18.7751	167.5912	188.3113	1.164	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0	109299.305	109299.305	1.0457	10.0046	112306.8
2036	18.8471	168.2333	189.0328	1.1685	110.6238	1.23	111.8537	29.9822	1.1698	31.152	0	109718.076	109718.076	1.0497	10.0429	112737.1
2037	18.7751	167.5912	188.3113	1.164	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0	109299.305	109299.305	1.0457	10.0046	112306.8
2038	18.7751	167.5912	188.3113	1.164	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0	109299.305	109299.305	1.0457	10.0046	112306.8
2039	18.7032	166.9491	187.5898	1.1596	109.7793	1.2206	110.9999	29.7533	1.1609	30.9142	0	108880.533	108880.533	1.0417	9.9662	111876.5
2040	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.368	29.8679	1.1103	30.9782	0	104777.37	104777.37	0.8787	9.6159	107664.9
2041	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.368	29.8679	1.1103	30.9782	0	104777.37	104777.37	0.8787	9.6159	107664.9
2042	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.368	29.8679	1.1103	30.9782	0	104777.37	104777.37	0.8787	9.6159	107664.9
2043	5.1879	54.5964	58.3767	0.3677	36.3117	0.3843	36.696	9.8415	0.3659	10.2074	0	34524.344	34524.344	0.2895	3.1684	35475.8
Maximum	1770.5964	201.5825	340.2451	1.6208	129.3799	2.1115	131.4914	35.2252	1.9855	37.2107	0	151683.704	151683.704	3.2035	12.9239	155615.1
Total	2805.6515	3337.5785	4100.5374	24.0226	2155.4605	26.0571	2181.5177	584.3506	24.7267	609.0773	0	2254795.41	2254795.41	26.8219	205.0745	2316578.1
															Amortized	77219.3

Project Operational Emissions Summary

Model File: Fresno SEDA EIR Project - Fresno County, Annual

Timestamp: Date: 6/22/2022 9:53 AM

Model File: Fresno SEDA Baseline - Existing Land Uses - Fresno County, Annual

Timestamp: Date: 6/24/2022 11:31 AM

Emissions Source	ROG	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
	Tons per Year					
Area	1,100.19	19.43	320.23	0.12	3.02	3.02
Energy	6.47	56.24	30.23	0.35	4.47	4.47
Mobile	166.63	311.03	1,798.71	4.59	644.30	173.88
Waste	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,273.29	386.69	2,149.17	5.06	651.79	181.37
Existing Emissions	178.12	83.42	462.80	0.87	71.17	29.72
Net Total	1,095.17	303.27	1,686.37	4.19	580.62	151.65
SJVAPCD Significance Thresholds	10	10	100	27	15	15
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes

Project Operational GHG Emissions Summary

Construction - GHG Emissions

Fresno SEDA EIR Project - Fresno County, Annual

Date: 6/22/2022 9:53 AM

Operations - GHG Emissions

Fresno SEDA Baseline - Existing Land Uses - Fresno County, Annual

Date: 6/24/2022 11:31 AM

Emissions Source	CO ₂ e (Metric Tons per Year)
	2050
Area	18,945
Energy	111,179
Mobile	432,219
Waste	25,336
Water	14,233
Total	601,912
Existing Emissions	91,121
NET Emissions	510,791

Fresno SEDA Baseline - Existing Land Uses
Fresno County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	233.67	1000sqft	5.36	233,670.00	0
Elementary School	1,254.22	1000sqft	28.79	1,254,220.00	0
Industrial Park	5,481.88	1000sqft	125.85	5,481,880.00	0
Other Non-Asphalt Surfaces	21,488.92	1000sqft	493.32	21,488,920.00	0
Parking Lot	536.18	Acre	536.18	23,356,000.80	0
City Park	6,171.71	Acre	6,171.71	268,839,687.60	0
Single Family Housing	1,390.00	Dwelling Unit	1,436.00	2,502,000.00	3975
Strip Mall	91.34	1000sqft	2.10	91,340.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2019
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - Note 1
 Construction Phase - Adjusted to represent operational emissions only
 Grading -
 Area Mitigation Measures - Appendix B, SJVAPCD Rule 4601

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	PhaseEndDate	11/3/2817	9/5/2775
tblConstructionPhase	PhaseEndDate	7/7/2733	5/22/2139
tblConstructionPhase	PhaseEndDate	12/22/2056	8/26/2018
tblConstructionPhase	PhaseEndDate	5/22/2139	12/22/2079
tblConstructionPhase	PhaseEndDate	9/5/2775	7/7/2733
tblConstructionPhase	PhaseEndDate	12/22/2079	12/22/2056
tblLandUse	LandUseSquareFeet	21,488,900.00	21,488,920.00
tblLandUse	LotAcreage	451.30	1,436.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

2079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2733	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2775	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2733	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2775	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	137.1176	1.6166	105.4965	0.1537		13.0547	13.0547		13.0547	13.0547	1,154.8420	619.6473	1,774.4893	0.0298	0.1129	1,808.8896
Energy	0.7518	6.7366	5.0206	0.0410		0.5195	0.5195		0.5195	0.5195	0.0000	14,753.2870	14,753.2870	1.3257	0.2798	14,869.8123
Mobile	40.2554	75.0704	352.2783	0.6713	56.5246	1.0695	57.5940	15.1339	1.0125	16.1464	0.0000	62,072.8969	62,072.8969	4.3208	3.8617	63,331.7086
Waste						0.0000	0.0000		0.0000	0.0000	2,398.8701	0.0000	2,398.8701	141.7692	0.0000	5,943.0990
Water						0.0000	0.0000		0.0000	0.0000	459.3214	3,165.4677	3,624.7891	47.6888	1.1760	5,167.4632
Total	178.1248	83.4236	462.7954	0.8659	56.5246	14.6436	71.1681	15.1339	14.5866	29.7205	4,013.0334	80,611.2989	84,624.3323	195.1342	5.4305	91,120.9727

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	137.1176	1.6166	105.4965	0.1537		13.0547	13.0547		13.0547	13.0547	1,154.8420	619.6473	1,774.4893	0.0298	0.1129	1,808.8896
Energy	0.7518	6.7366	5.0206	0.0410		0.5195	0.5195		0.5195	0.5195	0.0000	14,753.2870	14,753.2870	1.3257	0.2798	14,869.8123
Mobile	40.2554	75.0704	352.2783	0.6713	56.5246	1.0695	57.5940	15.1339	1.0125	16.1464	0.0000	62,072.8969	62,072.8969	4.3208	3.8617	63,331.7086
Waste						0.0000	0.0000		0.0000	0.0000	2,398.8701	0.0000	2,398.8701	141.7692	0.0000	5,943.0990
Water						0.0000	0.0000		0.0000	0.0000	459.3214	3,165.4677	3,624.7891	47.6888	1.1760	5,167.4632
Total	178.1248	83.4236	462.7954	0.8659	56.5246	14.6436	71.1681	15.1339	14.5866	29.7205	4,013.0334	80,611.2989	84,624.3323	195.1342	5.4305	91,120.9727

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/27/2018	8/26/2018	5	0	
2	Site Preparation	Site Preparation	12/23/2056	12/22/2056	5	0	
3	Appendix B Grading	Grading	12/23/2079	12/22/2079	5	0	

4	Building Construction	Building Construction	5/23/2139	5/22/2139	5	0
5	Paving	Paving	7/8/2733	7/7/2733	5	0
6	Architectural Coating	Architectural Coating	9/6/2775	9/5/2775	5	0

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1029.5

Residential Indoor: 5,066,550; Residential Outdoor: 1,688,850; Non-Residential Indoor: 10,591,667; Non-Residential Outdoor: 3,530,556; Striped Parking Area: 2,690,695 (Architectural Coating – sqft)

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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	135,181.00	52,719.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	27,036.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

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

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

3.3 Site Preparation - 2056

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

3.4 Grading - 2079

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

3.5 Building Construction - 2139

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

3.6 Paving - 2733

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 2775

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	40.2554	75.0704	352.2783	0.6713	56.5246	1.0695	57.5940	15.1339	1.0125	16.1464	0.0000	62,072.8969	62,072.8969	4.3208	3.8617	63,331.7086

Unmitigated	40.2554	75.0704	352.2783	0.6713	56.5246	1.0695	57.5940	15.1339	1.0125	16.1464	0.0000	62,072.8969	62,072.8969	4.3208	3.8617	63,331.7086
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	4,813.93	12,096.55	13516.04	15,152,046	15,152,046
Elementary School	24,482.37	0.00	0.00	38,558,675	38,558,675
Government (Civic Center)	7,940.11	0.00	0.00	10,841,858	10,841,858
Industrial Park	18,473.94	13,923.98	6797.53	42,357,953	42,357,953
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	13,121.60	13,260.60	11884.50	37,982,369	37,982,369
Strip Mall	4,048.19	3,839.93	1866.08	5,708,452	5,708,452
Total	72,880.14	43,121.06	34,064.15	150,601,353	150,601,353

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16

Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	48.40	15.90	35.70	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625
Elementary School	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625
Government (Civic Center)	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625
Industrial Park	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625
Other Non-Asphalt Surfaces	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625
Parking Lot	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625
Single Family Housing	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625
Strip Mall	0.482772	0.053013	0.177201	0.181386	0.030694	0.007689	0.014311	0.021176	0.000804	0.000296	0.025348	0.001685	0.003625

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated	Appendix B					0.0000	0.0000		0.0000	0.0000	0.0000	7,312.7066	7,312.7066	1.1831	0.1434	7,385.0162

Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,312.7066	7,312.7066	1.1831	0.1434	7,385.0162
NaturalGas Mitigated	0.7518	6.7366	5.0206	0.0410		0.5195	0.5195		0.5195	0.5195	0.0000	7,440.5804	7,440.5804	0.1426	0.1364	7,484.7961
NaturalGas Unmitigated	0.7518	6.7366	5.0206	0.0410		0.5195	0.5195		0.5195	0.5195	0.0000	7,440.5804	7,440.5804	0.1426	0.1364	7,484.7961

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Elementary School	3.1205e+007	0.1683	1.5297	1.2849	9.1800e-003		0.1163	0.1163		0.1163	0.1163	0.0000	1,665.2173	1,665.2173	0.0319	0.0305	1,675.1129
Government (Civic Center)	3.01902e+006	0.0163	0.1480	0.1243	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.1062	161.1062	3.0900e-003	2.9500e-003	162.0636
Industrial Park	7.08259e+007	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639	0.0000	3,779.5392	3,779.5392	0.0724	0.0693	3,801.9991
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.34122e+007	0.1802	1.5396	0.6551	9.8300e-003		0.1245	0.1245		0.1245	0.1245	0.0000	1,783.0019	1,783.0019	0.0342	0.0327	1,793.5974
Strip Mall	969117	5.2300e-003	0.0475	0.0399	2.9000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.7158	51.7158	9.9000e-004	9.5000e-004	52.0231
Total		0.7518	6.7366	5.0206	0.0410		0.5195	0.5195		0.5195	0.5195	0.0000	7,440.5804	7,440.5804	0.1426	0.1364	7,484.7961

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
Elementary School	3.1205e+007	0.1683	1.5297	1.2849	9.1800e-003		0.1163	0.1163		0.1163	0.1163	0.0000	1,665.2173	1,665.2173	0.0319	0.0305	1,675.1129
Government (Civic Center)	3.01902e+006	0.0163	0.1480	0.1243	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.1062	161.1062	3.0900e-003	2.9500e-003	162.0636
Industrial Park	7.08259e+007	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639	0.0000	3,779.5392	3,779.5392	0.0724	0.0693	3,801.9991
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.34122e+007	0.1802	1.5396	0.6551	9.8300e-003		0.1245	0.1245		0.1245	0.1245	0.0000	1,783.0019	1,783.0019	0.0342	0.0327	1,793.5974
Strip Mall	969117	5.2300e-003	0.0475	0.0399	2.9000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.7158	51.7158	9.9000e-004	9.5000e-004	52.0231
Total		0.7518	6.7366	5.0206	0.0410		0.5195	0.5195		0.5195	0.5195	0.0000	7,440.5804	7,440.5804	0.1426	0.1364	7,484.7961

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	8.5287e+006		789.1071	0.1277	0.0155	796.9100
Government (Civic Center)	2.06564e+006		191.1211	0.0309	3.7500e-003	193.0109
Industrial Park	4.84598e+007		4,483.6853	0.7254	0.0879	4,528.0209
Other Non-Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Parking Lot	8.1746e+006		756.3449	0.1224	0.0148	763.8238
Single Family Housing	1.10838e+007		1,025.5154	0.1659	0.0201	1,035.6559
Strip Mall	723413		66.9329	0.0108	1.3100e-003	67.5947
Total			7,312.7066	1.1831	0.1434	7,385.0162

Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
City Park	0		0.0000	0.0000	0.0000	0.0000
Elementary School	8.5287e+006		789.1071	0.1277	0.0155	796.9100
Government (Civic Center)	2.06564e+006		191.1211	0.0309	3.7500e-003	193.0109
Industrial Park	4.84598e+007		4,483.6853	0.7254	0.0879	4,528.0209
Other Non-Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Parking Lot	8.1746e+006		756.3449	0.1224	0.0148	763.8238
Single Family Housing	1.10838e+007		1,025.5154	0.1659	0.0201	1,035.6559
Strip Mall	723413		66.9329	0.0108	1.3100e-003	67.5947
Total			7,312.7066	1.1831	0.1434	7,385.0162

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	137.1176	1.6166	105.4965	0.1537		13.0547	13.0547		13.0547	13.0547	1,154.8420	619.6473	1,774.4893	0.0298	0.1129	1,808.8896
Unmitigated	137.1176	1.6166	105.4965	0.1537		13.0547	13.0547		13.0547	13.0547	1,154.8420	619.6473	1,774.4893	0.0298	0.1129	1,808.8896

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	8.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	42.7753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	85.8008	1.4934	94.7973	0.1531		12.9966	12.9966		12.9966	12.9966	1,154.8420	602.1583	1,757.0002	0.0115	0.1129	1,790.9441
Landscaping	0.3485	0.1232	10.6992	5.7000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.4890	17.4890	0.0183	0.0000	17.9454
Total	137.1176	1.6166	105.4965	0.1537		13.0547	13.0547		13.0547	13.0547	1,154.8420	619.6473	1,774.4893	0.0298	0.1129	1,808.8896

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	8.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	42.7753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	85.8008	1.4934	94.7973	0.1531		12.9966	12.9966		12.9966	12.9966	1,154.8420	602.1583	1,757.0002	0.0115	0.1129	1,790.9441
Landscaping	0.3485	0.1232	10.6992	5.7000e-004		0.0580	0.0580		0.0580	0.0580	0.0000	17.4890	17.4890	0.0183	0.0000	17.9454
Total	137.1176	1.6166	105.4965	0.1537		13.0547	13.0547		13.0547	13.0547	1,154.8420	619.6473	1,774.4893	0.0298	0.1129	1,808.8896

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	tons/yr	MT/yr		
Mitigated	3,624.7891	47.6888	1.1760	5,167.4632

Unmitigated		3,624.7891	47.6888	1.1760	5,167.4632
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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
City Park	0 / 7353.48		2,381.3001	0.3853	0.0467	2,404.8469
Elementary School	36.3685 / 93.519		60.0304	1.1929	0.0289	98.4752
Government (Civic Center)	46.4208 / 28.4515		47.1811	1.5179	0.0364	95.9610
Industrial Park	1267.68 / 0		1,036.8394	41.4102	0.9878	2,366.4605
Other Non-Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	90.5641 / 57.0948		92.5616	2.9614	0.0709	187.7332
Strip Mall	6.76578 / 4.14677		6.8766	0.2212	5.3000e-003	13.9862
Total			3,624.7891	47.6888	1.1760	5,167.4632

Mitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
City Park	0 / 7353.48		2,381.3001	0.3853	0.0467	2,404.8469
Elementary School	36.3685 / 93.519		60.0304	1.1929	0.0289	98.4752
Government (Civic Center)	46.4208 / 28.4515		47.1811	1.5179	0.0364	95.9610
Industrial Park	1267.68 / 0		1,036.8394	41.4102	0.9878	2,366.4605
Other Non-Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	90.5641 / 57.0948		92.5616	2.9614	0.0709	187.7332
Strip Mall	6.76578 / 4.14677		6.8766	0.2212	5.3000e-003	13.9862
Total			3,624.7891	47.6888	1.1760	5,167.4632

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		2,398.8701	141.7692	0.0000	5,943.0990
Unmitigated		2,398.8701	141.7692	0.0000	5,943.0990

8.2 Waste by Land Use

Unmitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
City Park	530.77		107.7415	6.3673	0.0000	266.9250
Elementary School	1630.49		330.9747	19.5601	0.0000	819.9759
Government (Civic Center)	1331.92		270.3677	15.9783	0.0000	669.8246
Industrial Park	6797.53		1,379.8372	81.5460	0.0000	3,418.4882
Other Non-Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Parking Lot	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1431		290.4801	17.1669	0.0000	719.6521
Strip Mall	95.91		19.4689	1.1506	0.0000	48.2333
Total			2,398.8701	141.7692	0.0000	5,943.0990

Mitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
City Park	530.77		107.7415	6.3673	0.0000	266.9250
Elementary School	1630.49		330.9747	19.5601	0.0000	819.9759
Government (Civic Center)	1331.92		270.3677	15.9783	0.0000	669.8246
Industrial Park	6797.53		1,379.8372	81.5460	0.0000	3,418.4882
Other Non-Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Parking Lot	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	1431		290.4801	17.1669	0.0000	719.6521
Strip Mall	95.91		19.4689	1.1506	0.0000	48.2333
Total			2,398.8701	141.7692	0.0000	5,943.0990

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

Appendix B

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

Fresno SEDA EIR Project
Fresno County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	7,946.52	1000sqft	182.43	7,946,520.00	0
Office Park	4,423.32	1000sqft	101.55	4,423,320.00	0
Research & Development	2,897.96	1000sqft	66.53	2,897,960.00	0
Parking Lot	96,337.08	1000sqft	2,211.60	96,337,080.00	0
City Park	744.00	Acre	744.00	32,408,640.00	0
Condo/Townhouse	16,906.00	Dwelling Unit	2,153.96	93,826,497.60	48351
Single Family Housing	25,358.00	Dwelling Unit	3,230.94	140,739,746.40	72524
Regional Shopping Center	4,482.52	1000sqft	102.90	4,482,520.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	45
Climate Zone	3			Operational Year	2050
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Based on CalEEMod default and normalized to an 25-year buildout. Assumes overlap of all phases.

Grading -

Vehicle Trips -Appendix B

Woodstoves - Per SJVAPCD Rule 4901

Area Coating - Per SJVAPCD Rule 4601

Construction Off-road Equipment Mitigation - SJVAPCD Reg. VIII

Area Mitigation - SJVAPCD Rule 4601

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	11,000.00	358.00
tblConstructionPhase	NumDays	155,000.00	5,044.00
tblConstructionPhase	NumDays	10,000.00	325.00
tblConstructionPhase	NumDays	15,500.00	504.00
tblConstructionPhase	NumDays	11,000.00	358.00
tblConstructionPhase	NumDays	6,000.00	195.00
tblConstructionPhase	PhaseEndDate	3/10/2823	5/14/2025
tblConstructionPhase	PhaseEndDate	11/11/2738	4/30/2043
tblConstructionPhase	PhaseEndDate	4/28/2062	3/28/2025
tblConstructionPhase	PhaseEndDate	9/25/2144	12/4/2025
tblConstructionPhase	PhaseEndDate	1/9/2781	5/14/2025
tblConstructionPhase	PhaseEndDate	4/27/2085	9/27/2024
tblConstructionPhase	PhaseStartDate	1/10/2781	1/1/2024
tblConstructionPhase	PhaseStartDate	9/26/2144	1/1/2024
tblConstructionPhase	PhaseStartDate	4/28/2085	1/1/2024
tblConstructionPhase	PhaseStartDate	11/12/2738	1/1/2024
tblConstructionPhase	PhaseStartDate	4/29/2062	1/1/2024
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00

tblLandUse	LandUseSquareFeet	96,337,100.00	96,337,080.00
tblLandUse	LandUseSquareFeet	16,906,000.00	93,826,497.60
tblLandUse	LandUseSquareFeet	45,644,400.00	140,739,746.40
tblLandUse	LotAcreage	1,056.63	2,153.96
tblLandUse	LotAcreage	8,233.12	3,230.94
tblWoodstoves	NumberCatalytic	2,153.96	0.00
tblWoodstoves	NumberCatalytic	3,230.94	0.00
tblWoodstoves	NumberNoncatalytic	2,153.96	0.00
tblWoodstoves	NumberNoncatalytic	3,230.94	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	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					
2024	1,770.5964	201.5825	340.2451	1.6208	131.3088	2.1115	133.4203	36.0531	1.9855	38.0386	0.0000	151,683.7064	151,683.7064	3.2035	12.9239	155,615.1139
2025	668.3045	188.8548	285.1465	1.4749	118.0304	1.7204	119.7508	32.0289	1.6238	33.6527	0.0000	138,266.8233	138,266.8233	2.4773	12.3046	141,995.5364
2026	30.4544	180.5290	251.5594	1.3802	110.2011	1.4874	111.6886	29.8676	1.4089	31.2765	0.0000	129,564.9134	129,564.9134	1.9166	11.8712	133,150.4377
2027	28.7114	178.0170	239.1028	1.3455	110.2011	1.4600	111.6611	29.8676	1.3833	31.2509	0.0000	126,314.1201	126,314.1201	1.7689	11.5651	129,804.7546
2028	27.0101	175.3334	227.9141	1.3084	109.7790	1.4266	111.2056	29.7532	1.3522	31.1054	0.0000	122,839.6980	122,839.6980	1.6365	11.2392	126,229.8897
2029	Appendix B 19.5939	174.0968	219.8407	1.2838	110.2012	1.4042	111.6054	29.8677	1.3314	31.1991	0.0000	120,532.5005	120,532.5005	1.5317	11.0196	123,854.6432

2030	24.1589	171.9972	212.3085	1.2576	110.2013	1.3298	111.5311	29.8677	1.2629	31.1306	0.0000	118,074.5788	118,074.5788	1.3778	10.7859	121,323.2355
2031	22.8046	170.8218	205.8133	1.2340	110.2014	1.3075	111.5089	29.8677	1.2422	31.1099	0.0000	115,855.5534	115,855.5534	1.2921	10.5820	119,041.2833
2032	21.6999	170.5107	201.1399	1.2178	110.6236	1.2918	111.9154	29.9822	1.2277	31.2099	0.0000	114,335.9273	114,335.9273	1.2224	10.4461	117,479.4260
2033	20.4720	168.4612	195.0109	1.1902	109.7792	1.2633	111.0426	29.7533	1.2011	30.9544	0.0000	111,750.2265	111,750.2265	1.1490	10.2156	114,823.2000
2034	19.5487	167.7409	191.0233	1.1739	109.7793	1.2452	111.0245	29.7533	1.1843	30.9376	0.0000	110,224.3912	110,224.3912	1.0920	10.0823	113,256.2062
2035	18.7751	167.5912	188.3113	1.1640	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0.0000	109,299.3051	109,299.3051	1.0457	10.0046	112,306.8108
2036	18.8471	168.2333	189.0328	1.1685	110.6238	1.2300	111.8537	29.9822	1.1698	31.1520	0.0000	109,718.0764	109,718.0764	1.0497	10.0429	112,737.1051
2037	18.7751	167.5912	188.3113	1.1640	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0.0000	109,299.3051	109,299.3051	1.0457	10.0046	112,306.8108
2038	18.7751	167.5912	188.3113	1.1640	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0.0000	109,299.3051	109,299.3051	1.0457	10.0046	112,306.8108
2039	18.7032	166.9491	187.5898	1.1596	109.7793	1.2206	110.9999	29.7533	1.1609	30.9142	0.0000	108,880.5338	108,880.5338	1.0417	9.9662	111,876.5165
2040	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.3680	29.8679	1.1103	30.9782	0.0000	104,777.3701	104,777.3701	0.8787	9.6159	107,664.8600
2041	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.3680	29.8679	1.1103	30.9782	0.0000	104,777.3701	104,777.3701	0.8787	9.6159	107,664.8600
2042	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.3680	29.8679	1.1103	30.9782	0.0000	104,777.3701	104,777.3701	0.8787	9.6159	107,664.8600
2043	5.1879	54.5964	58.3767	0.3677	36.3117	0.3843	36.6960	9.8415	0.3659	10.2074	0.0000	34,524.3442	34,524.3442	0.2895	3.1684	35,475.7776
Maximum	1,770.5964	201.5825	340.2451	1.6208	131.3088	2.1115	133.4203	36.0531	1.9855	38.0386	0.0000	151,683.7064	151,683.7064	3.2035	12.9239	155,615.1139

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					
2024	1,770.5964	201.5825	340.2451	1.6208	129.3799	2.1115	131.4914	35.2252	1.9855	37.2107	0.0000	151,683.7039	151,683.7039	3.2035	12.9239	155,615.1114
2025	668.3045	188.8548	285.1465	1.4749	117.1887	1.7204	118.9091	31.7610	1.6238	33.3848	0.0000	138,266.8219	138,266.8219	2.4773	12.3046	141,995.5350
2026	30.4544	180.5290	251.5594	1.3802	110.2011	1.4874	111.6886	29.8676	1.4089	31.2765	0.0000	129,564.9131	129,564.9131	1.9166	11.8712	133,150.4373
2027	28.7114	178.0170	239.1028	1.3455	110.2011	1.4600	111.6611	29.8676	1.3833	31.2509	0.0000	126,314.1197	126,314.1197	1.7689	11.5651	129,804.7542
2028	27.0101	175.3334	227.9141	1.3084	109.7790	1.4266	111.2056	29.7532	1.3522	31.1054	0.0000	122,839.6976	122,839.6976	1.6365	11.2392	126,229.8893
2029	25.5933	174.0968	219.8407	1.2838	110.2012	1.4042	111.6054	29.8677	1.3314	31.1991	0.0000	120,532.5002	120,532.5002	1.5317	11.0196	123,854.6428
2030	24.1589	171.9972	212.3085	1.2576	110.2013	1.3298	111.5311	29.8677	1.2629	31.1306	0.0000	118,074.5784	118,074.5784	1.3778	10.7859	121,323.2351
2031	22.8046	170.8218	205.8132	1.2340	110.2014	1.3075	111.5089	29.8677	1.2422	31.1099	0.0000	115,855.5530	115,855.5530	1.2921	10.5820	119,041.2829
2032	21.6999	170.5107	201.1399	1.2178	110.6236	1.2918	111.9154	29.9822	1.2277	31.2099	0.0000	114,335.9269	114,335.9269	1.2224	10.4461	117,479.4255
2033	20.4720	168.4612	195.0109	1.1902	109.7792	1.2633	111.0426	29.7533	1.2011	30.9544	0.0000	111,750.2261	111,750.2261	1.1490	10.2156	114,823.1996
2034	19.5487	167.7409	191.0233	1.1739	109.7793	1.2452	111.0245	29.7533	1.1843	30.9376	0.0000	110,224.3908	110,224.3908	1.0920	10.0823	113,256.2058
2035	18.7751	167.5912	188.3113	1.1640	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0.0000	109,299.3047	109,299.3047	1.0457	10.0046	112,306.8104
2036	18.8471	168.2333	189.0328	1.1685	110.6238	1.2300	111.8537	29.9822	1.1698	31.1520	0.0000	109,718.0760	109,718.0760	1.0497	10.0429	112,737.1047
2037	18.7751	167.5912	188.3113	1.1640	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0.0000	109,299.3047	109,299.3047	1.0457	10.0046	112,306.8104
2038	18.7751	167.5912	188.3113	1.1640	110.2015	1.2253	111.4268	29.8678	1.1653	31.0331	0.0000	109,299.3047	109,299.3047	1.0457	10.0046	112,306.8104
2039	18.7032	166.9491	187.5898	1.1596	109.7793	1.2206	110.9999	29.7533	1.1609	30.9142	0.0000	108,880.5334	108,880.5334	1.0417	9.9662	111,876.5161

2040	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.3680	29.8679	1.1103	30.9782	0.0000	104,777.3697	104,777.3697	0.8787	9.6159	107,664.8596
2041	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.3680	29.8679	1.1103	30.9782	0.0000	104,777.3697	104,777.3697	0.8787	9.6159	107,664.8596
2042	15.7446	165.6936	177.1666	1.1159	110.2018	1.1662	111.3680	29.8679	1.1103	30.9782	0.0000	104,777.3697	104,777.3697	0.8787	9.6159	107,664.8596
2043	5.1879	54.5964	58.3767	0.3677	36.3117	0.3843	36.6960	9.8415	0.3659	10.2074	0.0000	34,524.3440	34,524.3440	0.2895	3.1684	35,475.7775
Maximum	1,770.5964	201.5825	340.2451	1.6208	129.3799	2.1115	131.4914	35.2252	1.9855	37.2107	0.0000	151,683.7039	151,683.7039	3.2035	12.9239	155,615.1114

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.19	0.00	0.18	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	1-1-2024	3-31-2024	491.2599	491.2599
2	4-1-2024	6-30-2024	488.8237	488.8237
3	7-1-2024	9-30-2024	494.1633	494.1633
4	10-1-2024	12-31-2024	495.6751	495.6751
5	1-1-2025	3-31-2025	483.0868	483.0868
6	4-1-2025	6-30-2025	262.4402	262.4402
7	7-1-2025	9-30-2025	54.3448	54.3448
8	10-1-2025	12-31-2025	56.5432	56.5432
9	1-1-2026	3-31-2026	53.4410	53.4410
10	4-1-2026	6-30-2026	51.5708	51.5708
11	7-1-2026	9-30-2026	52.1376	52.1376
12	10-1-2026	12-31-2026	54.6286	54.6286
13	1-1-2027	3-31-2027	52.3503	52.3503
14	4-1-2027	6-30-2027	50.4753	50.4753
15	7-1-2027	9-30-2027	51.0299	51.0299
16	10-1-2027	12-31-2027	53.5136	53.5136
17	1-1-2028	3-31-2028	51.9960	51.9960
18	4-1-2028	6-30-2028	49.5423	49.5423
19	7-1-2028	9-30-2028	50.0867	50.0867
20	10-1-2028	12-31-2028	52.5674	52.5674
21	1-1-2029	3-31-2029	50.5457	50.5457
22	Appendix B 1-1-2029	6-30-2029	48.6536	48.6536

23	7-1-2029	9-30-2029	49.1883	49.1883
24	10-1-2029	12-31-2029	51.6690	51.6690
25	1-1-2030	3-31-2030	49.6464	49.6464
26	4-1-2030	6-30-2030	47.7370	47.7370
27	7-1-2030	9-30-2030	48.2616	48.2616
28	10-1-2030	12-31-2030	50.7497	50.7497
29	1-1-2031	3-31-2031	48.9981	48.9981
30	4-1-2031	6-30-2031	47.0698	47.0698
31	7-1-2031	9-30-2031	47.5870	47.5870
32	10-1-2031	12-31-2031	50.0869	50.0869
33	1-1-2032	3-31-2032	48.9870	48.9870
34	4-1-2032	6-30-2032	46.4996	46.4996
35	7-1-2032	9-30-2032	47.0105	47.0105
36	10-1-2032	12-31-2032	49.5253	49.5253
37	1-1-2033	3-31-2033	47.9853	47.9853
38	4-1-2033	6-30-2033	46.0132	46.0132
39	7-1-2033	9-30-2033	46.5188	46.5188
40	10-1-2033	12-31-2033	49.0517	49.0517
41	1-1-2034	3-31-2034	47.5674	47.5674
42	4-1-2034	6-30-2034	45.5705	45.5705
43	7-1-2034	9-30-2034	46.0713	46.0713
44	10-1-2034	12-31-2034	48.6244	48.6244
45	1-1-2035	3-31-2035	47.1531	47.1531
46	4-1-2035	6-30-2035	45.1325	45.1325
47	7-1-2035	9-30-2035	45.6284	45.6284
48	10-1-2035	12-31-2035	48.2009	48.2009
49	Appendix B 1-1-2036	3-31-2036	47.6770	47.6770

50	4-1-2036	6-30-2036	45.1325	45.1325
51	7-1-2036	9-30-2036	45.6284	45.6284
52	10-1-2036	12-31-2036	48.2009	48.2009
53	1-1-2037	3-31-2037	47.1531	47.1531
54	4-1-2037	6-30-2037	45.1325	45.1325
55	7-1-2037	9-30-2037	45.6284	45.6284
56	10-1-2037	12-31-2037	48.2009	48.2009
57	1-1-2038	3-31-2038	47.1531	47.1531
58	4-1-2038	6-30-2038	45.1325	45.1325
59	7-1-2038	9-30-2038	45.6284	45.6284
60	10-1-2038	12-31-2038	48.2009	48.2009
61	1-1-2039	3-31-2039	47.1531	47.1531
62	4-1-2039	6-30-2039	45.1325	45.1325
63	7-1-2039	9-30-2039	45.6284	45.6284
64	10-1-2039	12-31-2039	48.2009	48.2009
65	1-1-2040	3-31-2040	46.4266	46.4266
66	4-1-2040	6-30-2040	43.7844	43.7844
67	7-1-2040	9-30-2040	44.2656	44.2656
68	10-1-2040	12-31-2040	46.9368	46.9368
69	1-1-2041	3-31-2041	45.9164	45.9164
70	4-1-2041	6-30-2041	43.7844	43.7844
71	7-1-2041	9-30-2041	44.2656	44.2656
72	10-1-2041	12-31-2041	46.9368	46.9368
73	1-1-2042	3-31-2042	45.9164	45.9164
74	4-1-2042	6-30-2042	43.7844	43.7844
75	7-1-2042	9-30-2042	44.2656	44.2656
76	10-1-2042	12-31-2042	46.9368	46.9368

Appendix B

77	1-1-2043	3-31-2043	45.9164	45.9164
78	4-1-2043	6-30-2043	14.4344	14.4344
		Highest	495.6751	495.6751

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1,246.9598	19.4254	320.2306	0.1176		3.0223	3.0223		3.0223	3.0223	0.0000	18,823.7763	18,823.7763	0.8442	0.3357	18,944.9105
Energy	6.4741	56.2355	30.2284	0.3531		4.4730	4.4730		4.4730	4.4730	0.0000	110,340.4866	110,340.4866	8.7136	2.0820	111,178.7521
Mobile	166.6343	311.0334	1,798.7081	4.5891	641.6998	2.5977	644.2976	171.4312	2.4477	173.8789	0.0000	424,680.7633	424,680.7633	18.8916	23.7121	432,219.2426
Waste						0.0000	0.0000		0.0000	0.0000	10,226.7253	0.0000	10,226.7253	604.3822	0.0000	25,336.2791
Water						0.0000	0.0000		0.0000	0.0000	2,181.2590	4,826.6723	7,007.9313	224.8171	5.3846	14,232.9781
Total	1,420.0681	386.6943	2,149.1672	5.0598	641.6998	10.0930	651.7928	171.4312	9.9429	181.3741	12,407.9843	558,671.6985	571,079.6828	857.6486	31.5143	601,912.1624

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1,100.1856	19.4254	320.2306	0.1176		3.0223	3.0223		3.0223	3.0223	0.0000	18,823.7763	18,823.7763	0.8442	0.3357	18,944.9105
Energy	6.4741	56.2355	30.2284	0.3531		4.4730	4.4730		4.4730	4.4730	0.0000	110,340.4866	110,340.4866	8.7136	2.0820	111,178.7521
Mobile	166.6343	311.0334	1,798.7081	4.5891	641.6998	2.5977	644.2976	171.4312	2.4477	173.8789	0.0000	424,680.7633	424,680.7633	18.8916	23.7121	432,219.2426
Waste						0.0000	0.0000		0.0000	0.0000	10,226.7253	0.0000	10,226.7253	604.3822	0.0000	25,336.2791
Water						0.0000	0.0000		0.0000	0.0000	2,181.2590	4,826.6723	7,007.9313	224.8171	5.3846	14,232.9781
Total	1,273.2940	386.6943	2,149.1672	5.0598	641.6998	10.0930	651.7928	171.4312	9.9429	181.3741	12,407.9843	558,671.6985	571,079.6828	857.6486	31.5143	601,912.1624

	ROG	NOx	CO	SO2	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	10.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	3/28/2025	5	325	
2	Site Preparation	Site Preparation	1/1/2024	9/27/2024	5	195	
3	Appendix B Grading	Grading	1/1/2024	12/4/2025	5	504	

4	Building Construction	Building Construction	1/1/2024	4/30/2043	5	5044
5	Paving	Paving	1/1/2024	5/14/2025	5	358
6	Architectural Coating	Architectural Coating	1/1/2024	5/14/2025	5	358

Acres of Grading (Site Preparation Phase): 292.5

Acres of Grading (Grading Phase): 1512

Acres of Paving: 2211.6

Residential Indoor: 474,996,644; Residential Outdoor: 158,332,215; Non-Residential Indoor: 29,625,482; Non-Residential Outdoor: 9,875,161; Striped Parking Area: 5,780,225 (Architectural Coating – sqft)

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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	81,695.00	28,857.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16,339.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2024

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	0.2939	2.7350	2.5817	5.0900e-003		0.1258	0.1258		0.1169	0.1169	0.0000	445.3482	445.3482	0.1246	0.0000	448.4633
Total	0.2939	2.7350	2.5817	5.0900e-003		0.1258	0.1258		0.1169	0.1169	0.0000	445.3482	445.3482	0.1246	0.0000	448.4633

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547
Total	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547

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	0.2939	2.7350	2.5817	5.0900e-003		0.1258	0.1258		0.1169	0.1169	0.0000	445.3477	445.3477	0.1246	0.0000	448.4627
Total	0.2939	2.7350	2.5817	5.0900e-003		0.1258	0.1258		0.1169	0.1169	0.0000	445.3477	445.3477	0.1246	0.0000	448.4627

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547
Total	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547

3.2 Demolition - 2025

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	0.0659	0.6047	0.6117	1.2200e-003		0.0269	0.0269		0.0250	0.0250	0.0000	107.0926	107.0926	0.0299	0.0000	107.8402
Total	0.0659	0.6047	0.6117	1.2200e-003		0.0269	0.0269		0.0250	0.0250	0.0000	107.0926	107.0926	0.0299	0.0000	107.8402

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	1.2600e-003	7.4000e-004	9.5300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.7900e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.7761	2.7761	7.0000e-005	7.0000e-005	2.8000
Total	1.2600e-003	7.4000e-004	9.5300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.7900e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.7761	2.7761	7.0000e-005	7.0000e-005	2.8000

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	0.0659	0.6047	0.6117	1.2200e-003		0.0269	0.0269		0.0250	0.0250	0.0000	107.0925	107.0925	0.0299	0.0000	107.8401
Total	0.0659	0.6047	0.6117	1.2200e-003		0.0269	0.0269		0.0250	0.0250	0.0000	107.0925	107.0925	0.0299	0.0000	107.8401

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	1.2600e-003	7.4000e-004	9.5300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.7900e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.7761	2.7761	7.0000e-005	7.0000e-005	2.8000
Total	1.2600e-003	7.4000e-004	9.5300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.7900e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.7761	2.7761	7.0000e-005	7.0000e-005	2.8000

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2594	2.6497	1.7877	3.7100e-003		0.1199	0.1199		0.1103	0.1103	0.0000	326.2064	326.2064	0.1055	0.0000	328.8439
Total	0.2594	2.6497	1.7877	3.7100e-003	1.9166	0.1199	2.0364	0.9850	0.1103	1.0953	0.0000	326.2064	326.2064	0.1055	0.0000	328.8439

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0200e-003	3.1000e-003	0.0382	1.2000e-004	0.0140	6.0000e-005	0.0141	3.7300e-003	6.0000e-005	3.7900e-003	0.0000	10.6707	10.6707	3.0000e-004	3.0000e-004	10.7664
Total	5.0200e-003	3.1000e-003	0.0382	1.2000e-004	0.0140	6.0000e-005	0.0141	3.7300e-003	6.0000e-005	3.7900e-003	0.0000	10.6707	10.6707	3.0000e-004	3.0000e-004	10.7664

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					0.8625	0.0000	0.8625	0.4432	0.0000	0.4432	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2594	2.6497	1.7877	3.7100e-003		0.1199	0.1199		0.1103	0.1103	0.0000	326.2060	326.2060	0.1055	0.0000	328.8435
Total	0.2594	2.6497	1.7877	3.7100e-003	0.8625	0.1199	0.9823	0.4432	0.1103	0.5535	0.0000	326.2060	326.2060	0.1055	0.0000	328.8435

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0200e-003	3.1000e-003	0.0382	1.2000e-004	0.0140	6.0000e-005	0.0141	3.7300e-003	6.0000e-005	3.7900e-003	0.0000	10.6707	10.6707	3.0000e-004	3.0000e-004	10.7664
Total	5.0200e-003	3.1000e-003	0.0382	1.2000e-004	0.0140	6.0000e-005	0.0141	3.7300e-003	6.0000e-005	3.7900e-003	0.0000	10.6707	10.6707	3.0000e-004	3.0000e-004	10.7664

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5906	0.0000	1.5906	0.5202	0.0000	0.5202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4216	4.2414	3.6317	8.1300e-003		0.1749	0.1749		0.1609	0.1609	0.0000	714.2058	714.2058	0.2310	0.0000	719.9805
Total	0.4216	4.2414	3.6317	8.1300e-003	1.5906	0.1749	1.7656	0.5202	0.1609	0.6812	0.0000	714.2058	714.2058	0.2310	0.0000	719.9805

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-003	4.6300e-003	0.0570	1.7000e-004	0.0210	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.9301	15.9301	4.5000e-004	4.4000e-004	16.0730
Total	7.5000e-003	4.6300e-003	0.0570	1.7000e-004	0.0210	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.9301	15.9301	4.5000e-004	4.4000e-004	16.0730

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					0.7158	0.0000	0.7158	0.2341	0.0000	0.2341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4216	4.2414	3.6317	8.1300e-003		0.1749	0.1749		0.1609	0.1609	0.0000	714.2049	714.2049	0.2310	0.0000	719.9796
Total	0.4216	4.2414	3.6317	8.1300e-003	0.7158	0.1749	0.8907	0.2341	0.1609	0.3950	0.0000	714.2049	714.2049	0.2310	0.0000	719.9796

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	7.5000e-003	4.6300e-003	0.0570	1.7000e-004	0.0210	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.9301	15.9301	4.5000e-004	4.4000e-004	16.0730
Total	7.5000e-003	4.6300e-003	0.0570	1.7000e-004	0.0210	1.0000e-004	0.0210	5.5700e-003	9.0000e-005	5.6600e-003	0.0000	15.9301	15.9301	4.5000e-004	4.4000e-004	16.0730

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5304	0.0000	1.5304	0.4871	0.0000	0.4871	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3511	3.3811	3.1861	7.5100e-003		0.1368	0.1368		0.1259	0.1259	0.0000	659.5252	659.5252	0.2133	0.0000	664.8578
Total	0.3511	3.3811	3.1861	7.5100e-003	1.5304	0.1368	1.6673	0.4871	0.1259	0.6130	0.0000	659.5252	659.5252	0.2133	0.0000	664.8578

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	6.4400e-003	3.8000e-003	0.0488	1.6000e-004	0.0194	8.0000e-005	0.0194	5.1400e-003	8.0000e-005	5.2200e-003	0.0000	14.2183	14.2183	3.8000e-004	3.8000e-004	14.3408
Total	6.4400e-003	3.8000e-003	0.0488	1.6000e-004	0.0194	8.0000e-005	0.0194	5.1400e-003	8.0000e-005	5.2200e-003	0.0000	14.2183	14.2183	3.8000e-004	3.8000e-004	14.3408

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					0.6887	0.0000	0.6887	0.2192	0.0000	0.2192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3511	3.3811	3.1861	7.5100e-003		0.1368	0.1368		0.1259	0.1259	0.0000	659.5244	659.5244	0.2133	0.0000	664.8570
Total	0.3511	3.3811	3.1861	7.5100e-003	0.6887	0.1368	0.8255	0.2192	0.1259	0.3451	0.0000	659.5244	659.5244	0.2133	0.0000	664.8570

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	6.4400e-003	3.8000e-003	0.0488	1.6000e-004	0.0194	8.0000e-005	0.0194	5.1400e-003	8.0000e-005	5.2200e-003	0.0000	14.2183	14.2183	3.8000e-004	3.8000e-004	14.3408
Total	6.4400e-003	3.8000e-003	0.0488	1.6000e-004	0.0194	8.0000e-005	0.0194	5.1400e-003	8.0000e-005	5.2200e-003	0.0000	14.2183	14.2183	3.8000e-004	3.8000e-004	14.3408

3.5 Building Construction - 2024

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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	3.9500	166.0794	48.5925	0.7449	25.0635	1.0725	26.1360	7.2410	1.0260	8.2670	0.0000	71,463.4805	71,463.4805	0.3720	10.7574	74,678.4899
Worker	30.6250	18.9115	232.6667	0.7097	85.5598	0.3903	85.9501	22.7411	0.3593	23.1003	0.0000	65,070.3768	65,070.3768	1.8421	1.8042	65,654.0885
Total	34.5750	184.9909	281.2592	1.4545	110.6233	1.4629	112.0861	29.9820	1.3852	31.3673	0.0000	136,533.8573	136,533.8573	2.2140	12.5617	140,332.5784

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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	3.9500	166.0794	48.5925	0.7449	25.0635	1.0725	26.1360	7.2410	1.0260	8.2670	0.0000	71,463.4805	71,463.4805	0.3720	10.7574	74,678.4899
Worker	30.6250	18.9115	232.6667	0.7097	85.5598	0.3903	85.9501	22.7411	0.3593	23.1003	0.0000	65,070.3768	65,070.3768	1.8421	1.8042	65,654.0885
Total	34.5750	184.9909	281.2592	1.4545	110.6233	1.4629	112.0861	29.9820	1.3852	31.3673	0.0000	136,533.8573	136,533.8573	2.2140	12.5617	140,332.5784

3.5 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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	3.8393	164.7822	47.4255	0.7278	24.9679	1.0679	26.0358	7.2133	1.0216	8.2349	0.0000	69,822.2277	69,822.2277	0.3519	10.5083	72,962.5070
Worker	28.3593	16.7545	215.1385	0.6831	85.2332	0.3701	85.6033	22.6543	0.3406	22.9948	0.0000	62,637.9045	62,637.9045	1.6568	1.6727	63,177.7873
Total	32.1986	181.5367	262.5640	1.4109	110.2011	1.4379	111.6390	29.8676	1.3621	31.2297	0.0000	132,460.1322	132,460.1322	2.0087	12.1810	136,140.2944

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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	3.8393	164.7822	47.4255	0.7278	24.9679	1.0679	26.0358	7.2133	1.0216	8.2349	0.0000	69,822.2277	69,822.2277	0.3519	10.5083	72,962.5070
Worker	28.3593	16.7545	215.1385	0.6831	85.2332	0.3701	85.6033	22.6543	0.3406	22.9948	0.0000	62,637.9045	62,637.9045	1.6568	1.6727	63,177.7873
Total	32.1986	181.5367	262.5640	1.4109	110.2011	1.4379	111.6390	29.8676	1.3621	31.2297	0.0000	132,460.1322	132,460.1322	2.0087	12.1810	136,140.2944

3.5 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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	3.7545	163.8154	46.6086	0.7135	24.9679	1.0624	26.0303	7.2134	1.0164	8.2297	0.0000	68,446.9992	68,446.9992	0.3355	10.2985	71,524.3366
Worker	26.5215	15.0864	202.8518	0.6632	85.2332	0.3562	85.5894	22.6543	0.3278	22.9820	0.0000	60,815.2593	60,815.2593	1.5100	1.5727	61,321.6677
Total	30.2760	178.9017	249.4604	1.3767	110.2011	1.4186	111.6197	29.8676	1.3441	31.2117	0.0000	129,262.2586	129,262.2586	1.8454	11.8712	132,846.0042

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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	3.7545	163.8154	46.6086	0.7135	24.9679	1.0624	26.0303	7.2134	1.0164	8.2297	0.0000	68,446.9992	68,446.9992	0.3355	10.2985	71,524.3366
Worker	26.5215	15.0864	202.8518	0.6632	85.2332	0.3562	85.5894	22.6543	0.3278	22.9820	0.0000	60,815.2593	60,815.2593	1.5100	1.5727	61,321.6677
Total	30.2760	178.9017	249.4604	1.3767	110.2011	1.4186	111.6197	29.8676	1.3441	31.2117	0.0000	129,262.2586	129,262.2586	1.8454	11.8712	132,846.0042

3.5 Building Construction - 2027

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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	3.6853	162.7129	45.9602	0.6983	24.9679	1.0551	26.0231	7.2134	1.0094	8.2227	0.0000	66,993.1235	66,993.1235	0.3199	10.0778	70,004.3095
Worker	24.8476	13.6769	191.0436	0.6436	85.2332	0.3360	85.5692	22.6543	0.3092	22.9634	0.0000	59,018.3417	59,018.3417	1.3778	1.4873	59,496.0115
Total	28.5329	176.3897	237.0038	1.3420	110.2011	1.3911	111.5923	29.8676	1.3186	31.1862	0.0000	126,011.4652	126,011.4652	1.6978	11.5651	129,500.3211

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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	3.6853	162.7129	45.9602	0.6983	24.9679	1.0551	26.0231	7.2134	1.0094	8.2227	0.0000	66,993.1235	66,993.1235	0.3199	10.0778	70,004.3095
Worker	24.8476	13.6769	191.0436	0.6436	85.2332	0.3360	85.5692	22.6543	0.3092	22.9634	0.0000	59,018.3417	59,018.3417	1.3778	1.4873	59,496.0115
Total	28.5329	176.3897	237.0038	1.3420	110.2011	1.3911	111.5923	29.8676	1.3186	31.1862	0.0000	126,011.4652	126,011.4652	1.6978	11.5651	129,500.3211

3.5 Building Construction - 2028

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

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	3.6129	161.2529	45.2681	0.6813	24.8723	1.0444	25.9167	7.1857	0.9991	8.1849	0.0000	65,354.4978	65,354.4978	0.3059	9.8281	68,290.9123
Worker	23.2194	12.4594	180.5550	0.6236	84.9067	0.3136	85.2203	22.5675	0.2886	22.8560	0.0000	57,183.7048	57,183.7048	1.2597	1.4111	57,635.7103
Total	26.8323	173.7123	225.8231	1.3049	109.7790	1.3581	111.1370	29.7532	1.2877	31.0409	0.0000	122,538.2027	122,538.2027	1.5656	11.2392	125,926.6226

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

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	3.6129	161.2529	45.2681	0.6813	24.8723	1.0444	25.9167	7.1857	0.9991	8.1849	0.0000	65,354.4978	65,354.4978	0.3059	9.8281	68,290.9123
Worker	23.2194	12.4594	180.5550	0.6236	84.9067	0.3136	85.2203	22.5675	0.2886	22.8560	0.0000	57,183.7048	57,183.7048	1.2597	1.4111	57,635.7103
Total	26.8323	173.7123	225.8231	1.3049	109.7790	1.3581	111.1370	29.7532	1.2877	31.0409	0.0000	122,538.2027	122,538.2027	1.5656	11.2392	125,926.6226

3.5 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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	3.5742	160.9532	44.9886	0.6700	24.9680	1.0407	26.0087	7.2134	0.9955	8.2089	0.0000	64,274.9644	64,274.9644	0.2956	9.6625	67,161.7911
Worker	21.8407	11.5164	172.7531	0.6102	85.2332	0.2947	85.5279	22.6543	0.2711	22.9254	0.0000	55,954.8812	55,954.8812	1.1650	1.3571	56,388.4186
Total	25.4149	172.4695	217.7417	1.2802	110.2012	1.3354	111.5366	29.8677	1.2667	31.1343	0.0000	120,229.8456	120,229.8456	1.4606	11.0196	123,550.2097

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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	3.5742	160.9532	44.9886	0.6700	24.9680	1.0407	26.0087	7.2134	0.9955	8.2089	0.0000	64,274.9644	64,274.9644	0.2956	9.6625	67,161.7911
Worker	21.8407	11.5164	172.7531	0.6102	85.2332	0.2947	85.5279	22.6543	0.2711	22.9254	0.0000	55,954.8812	55,954.8812	1.1650	1.3571	56,388.4186
Total	25.4149	172.4695	217.7417	1.2802	110.2012	1.3354	111.5366	29.8677	1.2667	31.1343	0.0000	120,229.8456	120,229.8456	1.4606	11.0196	123,550.2097

3.5 Building Construction - 2030

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

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	3.5313	160.2861	44.6387	0.6575	24.9681	1.0348	26.0028	7.2134	0.9899	8.2033	0.0000	63,070.7659	63,070.7659	0.2866	9.4787	65,902.5666
Worker	20.4567	10.6756	165.5613	0.5961	85.2332	0.2757	85.5090	22.6543	0.2537	22.9080	0.0000	54,660.7793	54,660.7793	1.0775	1.3073	55,077.2912
Total	23.9881	170.9618	210.2000	1.2536	110.2013	1.3105	111.5118	29.8677	1.2436	31.1113	0.0000	117,731.5452	117,731.5452	1.3641	10.7860	120,979.8579

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

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	3.5313	160.2861	44.6387	0.6575	24.9681	1.0348	26.0028	7.2134	0.9899	8.2033	0.0000	63,070.7659	63,070.7659	0.2866	9.4787	65,902.5666
Worker	20.4567	10.6756	165.5613	0.5961	85.2332	0.2757	85.5090	22.6543	0.2537	22.9080	0.0000	54,660.7793	54,660.7793	1.0775	1.3073	55,077.2912
Total	23.9881	170.9618	210.2000	1.2536	110.2013	1.3105	111.5118	29.8677	1.2436	31.1113	0.0000	117,731.5452	117,731.5452	1.3641	10.7860	120,979.8579

3.5 Building Construction - 2031

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

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	3.4980	159.8363	44.4144	0.6464	24.9682	1.0301	25.9983	7.2134	0.9855	8.1989	0.0000	62,004.1921	62,004.1921	0.2783	9.3168	64,787.5638
Worker	19.1358	9.9500	159.2904	0.5835	85.2332	0.2580	85.4913	22.6543	0.2374	22.8917	0.0000	53,508.3277	53,508.3277	1.0000	1.2652	53,910.3418
Total	22.6338	169.7863	203.7048	1.2299	110.2014	1.2882	111.4895	29.8677	1.2229	31.0906	0.0000	115,512.5197	115,512.5197	1.2783	10.5820	118,697.9056

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

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	3.4980	159.8363	44.4144	0.6464	24.9682	1.0301	25.9983	7.2134	0.9855	8.1989	0.0000	62,004.1921	62,004.1921	0.2783	9.3168	64,787.5638
Worker	19.1358	9.9500	159.2904	0.5835	85.2332	0.2580	85.4913	22.6543	0.2374	22.8917	0.0000	53,508.3277	53,508.3277	1.0000	1.2652	53,910.3418
Total	22.6338	169.7863	203.7048	1.2299	110.2014	1.2882	111.4895	29.8677	1.2229	31.0906	0.0000	115,512.5197	115,512.5197	1.2783	10.5820	118,697.9056

3.5 Building Construction - 2032

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

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	3.4868	160.0737	44.4687	0.6391	25.0639	1.0297	26.0936	7.2411	0.9850	8.2261	0.0000	61,302.5417	61,302.5417	0.2724	9.2104	64,054.0555
Worker	18.0416	9.3977	154.5546	0.5746	85.5598	0.2427	85.8025	22.7411	0.2233	22.9643	0.0000	52,689.0377	52,689.0377	0.9362	1.2357	53,080.6772
Total	21.5284	169.4713	199.0233	1.2137	110.6236	1.2724	111.8960	29.9822	1.2083	31.1905	0.0000	113,991.5794	113,991.5794	1.2086	10.4461	117,134.7327

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

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	3.4868	160.0737	44.4687	0.6391	25.0639	1.0297	26.0936	7.2411	0.9850	8.2261	0.0000	61,302.5417	61,302.5417	0.2724	9.2104	64,054.0555
Worker	18.0416	9.3977	154.5546	0.5746	85.5598	0.2427	85.8025	22.7411	0.2233	22.9643	0.0000	52,689.0377	52,689.0377	0.9362	1.2357	53,080.6772
Total	21.5284	169.4713	199.0233	1.2137	110.6236	1.2724	111.8960	29.9822	1.2083	31.1905	0.0000	113,991.5794	113,991.5794	1.2086	10.4461	117,134.7327

3.5 Building Construction - 2033

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

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	3.4444	158.5842	44.1058	0.6258	24.8726	1.0181	25.8907	7.1858	0.9740	8.1598	0.0000	60,019.8794	60,019.8794	0.2652	9.0171	62,713.5988
Worker	16.8575	8.8455	148.8047	0.5604	84.9067	0.2259	85.1326	22.5675	0.2079	22.7754	0.0000	51,388.6278	51,388.6278	0.8701	1.1985	51,767.5391
Total	20.3019	167.4297	192.9105	1.1862	109.7792	1.2441	111.0233	29.7533	1.1819	30.9352	0.0000	111,408.5072	111,408.5072	1.1353	10.2156	114,481.1380

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

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	3.4444	158.5842	44.1058	0.6258	24.8726	1.0181	25.8907	7.1858	0.9740	8.1598	0.0000	60,019.8794	60,019.8794	0.2652	9.0171	62,713.5988
Worker	16.8575	8.8455	148.8047	0.5604	84.9067	0.2259	85.1326	22.5675	0.2079	22.7754	0.0000	51,388.6278	51,388.6278	0.8701	1.1985	51,767.5391
Total	20.3019	167.4297	192.9105	1.1862	109.7792	1.2441	111.0233	29.7533	1.1819	30.9352	0.0000	111,408.5072	111,408.5072	1.1353	10.2156	114,481.1380

3.5 Building Construction - 2034

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

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	3.4328	158.2470	44.1146	0.6181	24.8726	1.0137	25.8863	7.1858	0.9697	8.1556	0.0000	59,283.5084	59,283.5084	0.2604	8.9060	61,944.0047
Worker	15.9458	8.4624	144.8083	0.5518	84.9067	0.2123	85.1189	22.5675	0.1953	22.7628	0.0000	50,599.1635	50,599.1635	0.8179	1.1763	50,970.1394
Total	19.3785	166.7094	188.9229	1.1699	109.7793	1.2260	111.0052	29.7533	1.1650	30.9184	0.0000	109,882.6719	109,882.6719	1.0783	10.0823	112,914.1441

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

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	3.4328	158.2470	44.1146	0.6181	24.8726	1.0137	25.8863	7.1858	0.9697	8.1556	0.0000	59,283.5084	59,283.5084	0.2604	8.9060	61,944.0047
Worker	15.9458	8.4624	144.8083	0.5518	84.9067	0.2123	85.1189	22.5675	0.1953	22.7628	0.0000	50,599.1635	50,599.1635	0.8179	1.1763	50,970.1394
Total	19.3785	166.7094	188.9229	1.1699	109.7793	1.2260	111.0052	29.7533	1.1650	30.9184	0.0000	109,882.6719	109,882.6719	1.0783	10.0823	112,914.1441

3.5 Building Construction - 2035

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

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	3.4331	158.4613	44.2931	0.6136	24.9683	1.0129	25.9812	7.2135	0.9689	8.1824	0.0000	58,855.1294	58,855.1294	0.2576	8.8413	61,496.2722
Worker	15.1833	8.1954	141.9149	0.5464	85.2332	0.2007	85.4339	22.6543	0.1846	22.8389	0.0000	50,101.1421	50,101.1421	0.7753	1.1633	50,467.1856
Total	18.6163	166.6567	186.2080	1.1600	110.2015	1.2135	111.4150	29.8678	1.1535	31.0213	0.0000	108,956.2715	108,956.2715	1.0330	10.0046	111,963.4577

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

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	3.4331	158.4613	44.2931	0.6136	24.9683	1.0129	25.9812	7.2135	0.9689	8.1824	0.0000	58,855.1294	58,855.1294	0.2576	8.8413	61,496.2722
Worker	15.1833	8.1954	141.9149	0.5464	85.2332	0.2007	85.4339	22.6543	0.1846	22.8389	0.0000	50,101.1421	50,101.1421	0.7753	1.1633	50,467.1856
Total	18.6163	166.6567	186.2080	1.1600	110.2015	1.2135	111.4150	29.8678	1.1535	31.0213	0.0000	108,956.2715	108,956.2715	1.0330	10.0046	111,963.4577

3.5 Building Construction - 2036

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	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

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	3.4462	159.0684	44.4628	0.6160	25.0640	1.0167	26.0807	7.2411	0.9726	8.2138	0.0000	59,080.6280	59,080.6280	0.2586	8.8752	61,731.8901
Worker	15.2414	8.2268	142.4586	0.5485	85.5598	0.2014	85.7612	22.7411	0.1853	22.9264	0.0000	50,293.1005	50,293.1005	0.7783	1.1678	50,660.5464
Total	18.6876	167.2952	186.9214	1.1644	110.6238	1.2182	111.8419	29.9822	1.1580	31.1402	0.0000	109,373.7285	109,373.7285	1.0369	10.0429	112,392.4365

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	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

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	3.4462	159.0684	44.4628	0.6160	25.0640	1.0167	26.0807	7.2411	0.9726	8.2138	0.0000	59,080.6280	59,080.6280	0.2586	8.8752	61,731.8901
Worker	15.2414	8.2268	142.4586	0.5485	85.5598	0.2014	85.7612	22.7411	0.1853	22.9264	0.0000	50,293.1005	50,293.1005	0.7783	1.1678	50,660.5464
Total	18.6876	167.2952	186.9214	1.1644	110.6238	1.2182	111.8419	29.9822	1.1580	31.1402	0.0000	109,373.7285	109,373.7285	1.0369	10.0429	112,392.4365

3.5 Building Construction - 2037

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

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	3.4331	158.4613	44.2931	0.6136	24.9683	1.0129	25.9812	7.2135	0.9689	8.1824	0.0000	58,855.1294	58,855.1294	0.2576	8.8413	61,496.2722
Worker	15.1833	8.1954	141.9149	0.5464	85.2332	0.2007	85.4339	22.6543	0.1846	22.8389	0.0000	50,101.1421	50,101.1421	0.7753	1.1633	50,467.1856
Total	18.6163	166.6567	186.2080	1.1600	110.2015	1.2135	111.4150	29.8678	1.1535	31.0213	0.0000	108,956.2715	108,956.2715	1.0330	10.0046	111,963.4577

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

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	3.4331	158.4613	44.2931	0.6136	24.9683	1.0129	25.9812	7.2135	0.9689	8.1824	0.0000	58,855.1294	58,855.1294	0.2576	8.8413	61,496.2722
Worker	15.1833	8.1954	141.9149	0.5464	85.2332	0.2007	85.4339	22.6543	0.1846	22.8389	0.0000	50,101.1421	50,101.1421	0.7753	1.1633	50,467.1856
Total	18.6163	166.6567	186.2080	1.1600	110.2015	1.2135	111.4150	29.8678	1.1535	31.0213	0.0000	108,956.2715	108,956.2715	1.0330	10.0046	111,963.4577

3.5 Building Construction - 2038

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

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	3.4331	158.4613	44.2931	0.6136	24.9683	1.0129	25.9812	7.2135	0.9689	8.1824	0.0000	58,855.1294	58,855.1294	0.2576	8.8413	61,496.2722
Worker	15.1833	8.1954	141.9149	0.5464	85.2332	0.2007	85.4339	22.6543	0.1846	22.8389	0.0000	50,101.1421	50,101.1421	0.7753	1.1633	50,467.1856
Total	18.6163	166.6567	186.2080	1.1600	110.2015	1.2135	111.4150	29.8678	1.1535	31.0213	0.0000	108,956.2715	108,956.2715	1.0330	10.0046	111,963.4577

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

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	3.4331	158.4613	44.2931	0.6136	24.9683	1.0129	25.9812	7.2135	0.9689	8.1824	0.0000	58,855.1294	58,855.1294	0.2576	8.8413	61,496.2722
Worker	15.1833	8.1954	141.9149	0.5464	85.2332	0.2007	85.4339	22.6543	0.1846	22.8389	0.0000	50,101.1421	50,101.1421	0.7753	1.1633	50,467.1856
Total	18.6163	166.6567	186.2080	1.1600	110.2015	1.2135	111.4150	29.8678	1.1535	31.0213	0.0000	108,956.2715	108,956.2715	1.0330	10.0046	111,963.4577

3.5 Building Construction - 2039

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	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375

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	3.4199	157.8542	44.1234	0.6113	24.8727	1.0090	25.8816	7.1859	0.9652	8.1511	0.0000	58,629.6308	58,629.6308	0.2567	8.8074	61,260.6543
Worker	15.1251	8.1640	141.3712	0.5443	84.9067	0.1999	85.1065	22.5675	0.1839	22.7514	0.0000	49,909.1837	49,909.1837	0.7724	1.1588	50,273.8247
Total	18.5450	166.0181	185.4945	1.1556	109.7793	1.2088	110.9881	29.7533	1.1491	30.9024	0.0000	108,538.8145	108,538.8145	1.0290	9.9662	111,534.4790

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	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371

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	3.4199	157.8542	44.1234	0.6113	24.8727	1.0090	25.8816	7.1859	0.9652	8.1511	0.0000	58,629.6308	58,629.6308	0.2567	8.8074	61,260.6543
Worker	15.1251	8.1640	141.3712	0.5443	84.9067	0.1999	85.1065	22.5675	0.1839	22.7514	0.0000	49,909.1837	49,909.1837	0.7724	1.1588	50,273.8247
Total	18.5450	166.0181	185.4945	1.1556	109.7793	1.2088	110.9881	29.7533	1.1491	30.9024	0.0000	108,538.8145	108,538.8145	1.0290	9.9662	111,534.4790

3.5 Building Construction - 2040

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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	3.4194	157.4569	44.5626	0.5900	24.9686	0.9993	25.9679	7.2136	0.9560	8.1696	0.0000	56,582.5291	56,582.5291	0.2463	8.4999	59,121.6414
Worker	12.1690	7.3376	130.5006	0.5218	85.2332	0.1572	85.3905	22.6543	0.1447	22.7990	0.0000	47,851.8073	47,851.8073	0.6200	1.1160	48,199.8767
Total	15.5884	164.7944	175.0632	1.1118	110.2018	1.1566	111.3584	29.8679	1.1007	30.9685	0.0000	104,434.3364	104,434.3364	0.8663	9.6159	107,321.5182

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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	3.4194	157.4569	44.5626	0.5900	24.9686	0.9993	25.9679	7.2136	0.9560	8.1696	0.0000	56,582.5291	56,582.5291	0.2463	8.4999	59,121.6414
Worker	12.1690	7.3376	130.5006	0.5218	85.2332	0.1572	85.3905	22.6543	0.1447	22.7990	0.0000	47,851.8073	47,851.8073	0.6200	1.1160	48,199.8767
Total	15.5884	164.7944	175.0632	1.1118	110.2018	1.1566	111.3584	29.8679	1.1007	30.9685	0.0000	104,434.3364	104,434.3364	0.8663	9.6159	107,321.5182

3.5 Building Construction - 2041

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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	3.4194	157.4569	44.5626	0.5900	24.9686	0.9993	25.9679	7.2136	0.9560	8.1696	0.0000	56,582.5291	56,582.5291	0.2463	8.4999	59,121.6414
Worker	12.1690	7.3376	130.5006	0.5218	85.2332	0.1572	85.3905	22.6543	0.1447	22.7990	0.0000	47,851.8073	47,851.8073	0.6200	1.1160	48,199.8767
Total	15.5884	164.7944	175.0632	1.1118	110.2018	1.1566	111.3584	29.8679	1.1007	30.9685	0.0000	104,434.3364	104,434.3364	0.8663	9.6159	107,321.5182

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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	3.4194	157.4569	44.5626	0.5900	24.9686	0.9993	25.9679	7.2136	0.9560	8.1696	0.0000	56,582.5291	56,582.5291	0.2463	8.4999	59,121.6414
Worker	12.1690	7.3376	130.5006	0.5218	85.2332	0.1572	85.3905	22.6543	0.1447	22.7990	0.0000	47,851.8073	47,851.8073	0.6200	1.1160	48,199.8767
Total	15.5884	164.7944	175.0632	1.1118	110.2018	1.1566	111.3584	29.8679	1.1007	30.9685	0.0000	104,434.3364	104,434.3364	0.8663	9.6159	107,321.5182

3.5 Building Construction - 2042

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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	3.4194	157.4569	44.5626	0.5900	24.9686	0.9993	25.9679	7.2136	0.9560	8.1696	0.0000	56,582.5291	56,582.5291	0.2463	8.4999	59,121.6414
Worker	12.1690	7.3376	130.5006	0.5218	85.2332	0.1572	85.3905	22.6543	0.1447	22.7990	0.0000	47,851.8073	47,851.8073	0.6200	1.1160	48,199.8767
Total	15.5884	164.7944	175.0632	1.1118	110.2018	1.1566	111.3584	29.8679	1.1007	30.9685	0.0000	104,434.3364	104,434.3364	0.8663	9.6159	107,321.5182

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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	3.4194	157.4569	44.5626	0.5900	24.9686	0.9993	25.9679	7.2136	0.9560	8.1696	0.0000	56,582.5291	56,582.5291	0.2463	8.4999	59,121.6414
Worker	12.1690	7.3376	130.5006	0.5218	85.2332	0.1572	85.3905	22.6543	0.1447	22.7990	0.0000	47,851.8073	47,851.8073	0.6200	1.1160	48,199.8767
Total	15.5884	164.7944	175.0632	1.1118	110.2018	1.1566	111.3584	29.8679	1.1007	30.9685	0.0000	104,434.3364	104,434.3364	0.8663	9.6159	107,321.5182

3.5 Building Construction - 2043

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	0.0515	0.2963	0.6931	1.3300e-003		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	113.0303	113.0303	4.0600e-003	0.0000	113.1318
Total	0.0515	0.2963	0.6931	1.3300e-003		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	113.0303	113.0303	4.0600e-003	0.0000	113.1318

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	1.1267	51.8823	14.6835	0.1944	8.2272	0.3293	8.5565	2.3769	0.3150	2.6919	0.0000	18,644.0517	18,644.0517	0.0812	2.8007	19,480.6941
Worker	4.0097	2.4177	43.0002	0.1719	28.0845	0.0518	28.1363	7.4646	0.0477	7.5123	0.0000	15,767.2622	15,767.2622	0.2043	0.3677	15,881.9517
Total	5.1364	54.3001	57.6837	0.3663	36.3117	0.3811	36.6928	9.8415	0.3627	10.2042	0.0000	34,411.3139	34,411.3139	0.2855	3.1685	35,362.6458

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	0.0515	0.2963	0.6931	1.3300e-003		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	113.0301	113.0301	4.0600e-003	0.0000	113.1317
Total	0.0515	0.2963	0.6931	1.3300e-003		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	113.0301	113.0301	4.0600e-003	0.0000	113.1317

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	1.1267	51.8823	14.6835	0.1944	8.2272	0.3293	8.5565	2.3769	0.3150	2.6919	0.0000	18,644.0517	18,644.0517	0.0812	2.8007	19,480.6941
Worker	4.0097	2.4177	43.0002	0.1719	28.0845	0.0518	28.1363	7.4646	0.0477	7.5123	0.0000	15,767.2622	15,767.2622	0.2043	0.3677	15,881.9517
Total	5.1364	54.3001	57.6837	0.3663	36.3117	0.3811	36.6928	9.8415	0.3627	10.2042	0.0000	34,411.3139	34,411.3139	0.2855	3.1685	35,362.6458

3.6 Paving - 2024

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	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3476	262.3476	0.0849	0.0000	264.4688
Paving	2.1203					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.2497	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3476	262.3476	0.0849	0.0000	264.4688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547
Total	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547

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	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3473	262.3473	0.0849	0.0000	264.4685
Paving	2.1203					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.2497	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3473	262.3473	0.0849	0.0000	264.4685

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547
Total	5.6200e-003	3.4700e-003	0.0427	1.3000e-004	0.0157	7.0000e-005	0.0158	4.1800e-003	7.0000e-005	4.2400e-003	0.0000	11.9476	11.9476	3.4000e-004	3.3000e-004	12.0547

3.6 Paving - 2025

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	0.0439	0.4119	0.6997	1.0900e-003		0.0201	0.0201		0.0185	0.0185	0.0000	96.0924	96.0924	0.0311	0.0000	96.8694
Paving	0.7769					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.8208	0.4119	0.6997	1.0900e-003		0.0201	0.0201		0.0185	0.0185	0.0000	96.0924	96.0924	0.0311	0.0000	96.8694

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	1.9200e-003	1.1300e-003	0.0145	5.0000e-005	5.7600e-003	2.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2302	4.2302	1.1000e-004	1.1000e-004	4.2667
Total	1.9200e-003	1.1300e-003	0.0145	5.0000e-005	5.7600e-003	2.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2302	4.2302	1.1000e-004	1.1000e-004	4.2667

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	0.0439	0.4119	0.6997	1.0900e-003		0.0201	0.0201		0.0185	0.0185	0.0000	96.0923	96.0923	0.0311	0.0000	96.8693
Paving	0.7769					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.8208	0.4119	0.6997	1.0900e-003		0.0201	0.0201		0.0185	0.0185	0.0000	96.0923	96.0923	0.0311	0.0000	96.8693

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	1.9200e-003	1.1300e-003	0.0145	5.0000e-005	5.7600e-003	2.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2302	4.2302	1.1000e-004	1.1000e-004	4.2667
Total	1.9200e-003	1.1300e-003	0.0145	5.0000e-005	5.7600e-003	2.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2302	4.2302	1.1000e-004	1.1000e-004	4.2667

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1,726.4315					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	1,726.4552	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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	6.1250	3.7823	46.5333	0.1419	17.1120	0.0781	17.1900	4.5482	0.0719	4.6201	0.0000	13,014.0754	13,014.0754	0.3684	0.3609	13,130.8177
Total	6.1250	3.7823	46.5333	0.1419	17.1120	0.0781	17.1900	4.5482	0.0719	4.6201	0.0000	13,014.0754	13,014.0754	0.3684	0.3609	13,130.8177

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1,726.4315					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	1,726.4552	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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	6.1250	3.7823	46.5333	0.1419	17.1120	0.0781	17.1900	4.5482	0.0719	4.6201	0.0000	13,014.0754	13,014.0754	0.3684	0.3609	13,130.8177
Total	6.1250	3.7823	46.5333	0.1419	17.1120	0.0781	17.1900	4.5482	0.0719	4.6201	0.0000	13,014.0754	13,014.0754	0.3684	0.3609	13,130.8177

3.7 Architectural Coating - 2025

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	632.5856					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-003	0.0550	0.0868	1.4000e-004		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	12.2556	12.2556	6.7000e-004	0.0000	12.2723
Total	632.5938	0.0550	0.0868	1.4000e-004		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	12.2556	12.2556	6.7000e-004	0.0000	12.2723

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0862	1.2325	15.8263	0.0503	6.2700	0.0272	6.2973	1.6665	0.0251	1.6916	0.0000	4,607.8459	4,607.8459	0.1219	0.1231	4,647.5614
Total	2.0862	1.2325	15.8263	0.0503	6.2700	0.0272	6.2973	1.6665	0.0251	1.6916	0.0000	4,607.8459	4,607.8459	0.1219	0.1231	4,647.5614

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	632.5856					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-003	0.0550	0.0868	1.4000e-004		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	12.2556	12.2556	6.7000e-004	0.0000	12.2723
Total	632.5938	0.0550	0.0868	1.4000e-004		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	12.2556	12.2556	6.7000e-004	0.0000	12.2723

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0862	1.2325	15.8263	0.0503	6.2700	0.0272	6.2973	1.6665	0.0251	1.6916	0.0000	4,607.8459	4,607.8459	0.1219	0.1231	4,647.5614
Total	2.0862	1.2325	15.8263	0.0503	6.2700	0.0272	6.2973	1.6665	0.0251	1.6916	0.0000	4,607.8459	4,607.8459	0.1219	0.1231	4,647.5614

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	166.6343	311.0334	1,798.7081	4.5891	641.6998	2.5977	644.2976	171.4312	2.4477	173.8789	0.0000	424,680.7633	424,680.7633	18.8916	23.7121	432,219.2426
Unmitigated	166.6343	311.0334	1,798.7081	4.5891	641.6998	2.5977	644.2976	171.4312	2.4477	173.8789	0.0000	424,680.7633	424,680.7633	18.8916	23.7121	432,219.2426

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	580.32	1,458.24	1629.36	1,826,580	1,826,580
Condo/Townhouse	123,751.92	137,614.84	106169.68	360,995,596	360,995,596
Government Office Building	179,511.89	0.00	0.00	219,886,731	219,886,731
Office Park	48,966.15	7,254.24	3361.72	91,458,957	91,458,957
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	169,215.13	206,733.82	94581.17	287,389,365	287,389,365
Research & Development	32,631.03	5,506.12	3216.74	61,538,401	61,538,401
Single Family Housing	239,379.52	241,915.32	216810.90	692,918,651	692,918,651
Total	794,035.96	600,482.59	425,769.57	1,716,014,281	1,716,014,281

4.3 Trip Type Information

Appendix B

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	7.30	7.50	48.40	15.90	35.70	86	11	3
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Research & Development	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Single Family Housing	10.80	7.30	7.50	48.40	15.90	35.70	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069
Condo/Townhouse	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069
Government Office Building	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069
Office Park	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069
Parking Lot	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069
Regional Shopping Center	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069
Research & Development	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069
Single Family Housing	0.561872	0.058143	0.178411	0.118389	0.017812	0.004953	0.015017	0.021690	0.000617	0.000260	0.019980	0.000788	0.002069

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	46,269.6137	46,269.6137	7.4855	0.9073	46,727.1381
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	46,269.6137	46,269.6137	7.4855	0.9073	46,727.1381
NaturalGas Mitigated	6.4741	56.2355	30.2284	0.3531		4.4730	4.4730		4.4730	4.4730	0.0000	64,070.8729	64,070.8729	1.2280	1.1746	64,451.6140
NaturalGas Unmitigated	6.4741	56.2355	30.2284	0.3531		4.4730	4.4730		4.4730	4.4730	0.0000	64,070.8729	64,070.8729	1.2280	1.1746	64,451.6140

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Condo/Townhouse	2.81092e+008	1.5157	12.9523	5.5116	0.0827		1.0472	1.0472		1.0472	1.0472	0.0000	15,000.1489	15,000.1489	0.2875	0.2750	15,089.2872
Government Office Building	1.02669e+008	0.5536	5.0328	4.2276	0.0302		0.3825	0.3825		0.3825	0.3825	0.0000	5,478.8109	5,478.8109	0.1050	0.1004	5,511.3687
Office Park	9.97901e+007	0.5381	4.8917	4.1090	0.0294		0.3718	0.3718		0.3718	0.3718	0.0000	5,325.1797	5,325.1797	0.1021	0.0976	5,356.8246
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
Regional Shopping Center	4.75595e+007	0.2565	2.3314	1.9583	0.0140		0.1772	0.1772		0.1772	0.1772	0.0000	2,537.9580	2,537.9580	0.0486	0.0465	2,553.0398
Research & Development	5.99878e+007	0.3235	2.9406	2.4701	0.0176		0.2235	0.2235		0.2235	0.2235	0.0000	3,201.1760	3,201.1760	0.0614	0.0587	3,220.1990
Single Family Housing	6.09544e+008	3.2868	28.0868	11.9519	0.1793		2.2709	2.2709		2.2709	2.2709	0.0000	32,527.5994	32,527.5994	0.6235	0.5963	32,720.8947
Total		6.4741	56.2355	30.2284	0.3531		4.4730	4.4730		4.4730	4.4730	0.0000	64,070.8729	64,070.8729	1.2280	1.1746	64,451.6140

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
Condo/Townhouse	2.81092e+008	1.5157	12.9523	5.5116	0.0827		1.0472	1.0472		1.0472	1.0472	0.0000	15,000.1489	15,000.1489	0.2875	0.2750	15,089.2872
Government Office Building	1.02669e+008	0.5536	5.0328	4.2276	0.0302		0.3825	0.3825		0.3825	0.3825	0.0000	5,478.8109	5,478.8109	0.1050	0.1004	5,511.3687
Office Park	9.97901e+007	0.5381	4.8917	4.1090	0.0294		0.3718	0.3718		0.3718	0.3718	0.0000	5,325.1797	5,325.1797	0.1021	0.0976	5,356.8246
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
Regional Shopping Center	4.75595e+007	0.2565	2.3314	1.9583	0.0140		0.1772	0.1772		0.1772	0.1772	0.0000	2,537.9580	2,537.9580	0.0486	0.0465	2,553.0398
Research & Development	5.99878e+007	0.3235	2.9406	2.4701	0.0176		0.2235	0.2235		0.2235	0.2235	0.0000	3,201.1760	3,201.1760	0.0614	0.0587	3,220.1990
Single Family Housing	6.09544e+008	3.2868	28.0868	11.9519	0.1793		2.2709	2.2709		2.2709	2.2709	0.0000	32,527.5994	32,527.5994	0.6235	0.5963	32,720.8947
Total		6.4741	56.2355	30.2284	0.3531		4.4730	4.4730		4.4730	4.4730	0.0000	64,070.8729	64,070.8729	1.2280	1.1746	64,451.6140

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
City Park	0		0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.36108e+007		7,735.9885	1.2515	0.1517	7,812.4837
Government Office Building	7.02472e+007		6,499.5393	1.0515	0.1275	6,563.8082
Office Park	4.98508e+007		4,612.3856	0.7462	0.0905	4,657.9939
Parking Lot	3.3718e+007		3,119.7145	0.5047	0.0612	3,150.5629
Regional Shopping Center	3.55016e+007		3,284.7381	0.5314	0.0644	3,317.2183
Research & Development	2.49514e+007		2,308.6009	0.3735	0.0453	2,331.4289
Single Family Housing	2.02204e+008		18,708.6469	3.0267	0.3669	18,893.6422
Total			46,269.6138	7.4855	0.9073	46,727.1381

Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
City Park	0		0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.36108e+007		7,735.9885	1.2515	0.1517	7,812.4837
Government Office Building	7.02472e+007		6,499.5393	1.0515	0.1275	6,563.8082
Office Park	4.98508e+007		4,612.3856	0.7462	0.0905	4,657.9939
Parking Lot	3.3718e+007		3,119.7145	0.5047	0.0612	3,150.5629
Regional Shopping Center	3.55016e+007		3,284.7381	0.5314	0.0644	3,317.2183
Research & Development	2.49514e+007		2,308.6009	0.3735	0.0453	2,331.4289
Single Family Housing	2.02204e+008		18,708.6469	3.0267	0.3669	18,893.6422
Total			46,269.6138	7.4855	0.9073	46,727.1381

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,100.1856	19.4254	320.2306	0.1176		3.0223	3.0223		3.0223	3.0223	0.0000	18,823.7763	18,823.7763	0.8442	0.3357	18,944.9105
Unmitigated	1,246.9598	19.4254	320.2306	0.1176		3.0223	3.0223		3.0223	3.0223	0.0000	18,823.7763	18,823.7763	0.8442	0.3357	18,944.9105

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	235.9020					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	999.7654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8500	15.8095	6.7274	0.1009		1.2782	1.2782		1.2782	1.2782	0.0000	18,309.0774	18,309.0774	0.3509	0.3357	18,417.8791
Landscaping	9.4423	3.6159	313.5032	0.0167		1.7441	1.7441		1.7441	1.7441	0.0000	514.6990	514.6990	0.4933	0.0000	527.0315
Total	1,246.9598	19.4254	320.2306	0.1176		3.0223	3.0223		3.0223	3.0223	0.0000	18,823.7763	18,823.7763	0.8442	0.3357	18,944.9105

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	89.1278					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	999.7654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8500	15.8095	6.7274	0.1009		1.2782	1.2782		1.2782	1.2782	0.0000	18,309.0774	18,309.0774	0.3509	0.3357	18,417.8791
Landscaping	9.4423	3.6159	313.5032	0.0167		1.7441	1.7441		1.7441	1.7441	0.0000	514.6990	514.6990	0.4933	0.0000	527.0315
Total	1,100.1856	19.4254	320.2306	0.1176		3.0223	3.0223		3.0223	3.0223	0.0000	18,823.7763	18,823.7763	0.8442	0.3357	18,944.9105

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	7,007.9313	224.8171	5.3846	14,232.9781	

Unmitigated		7,007.9313	224.8171	5.3846	14,232.9781
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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
City Park	0 / 886.462		287.0659	0.0464	5.6300e-003	289.9044
Condo/Townhouse	1101.49 / 694.42		1,125.7882	36.0178	0.8627	2,283.3224
Government Office Building	1578.65 / 967.562		1,604.5090	51.6190	1.2363	3,263.3901
Office Park	786.173 / 481.848		799.0495	25.7064	0.6157	1,625.1765
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	332.032 / 203.503		337.4697	10.8568	0.2600	686.3753
Research & Development	1424.91 / 0		1,165.4334	46.5461	1.1103	2,659.9608
Single Family Housing	1652.18 / 1041.59		1,688.6157	54.0246	1.2940	3,424.8486
Total			7,007.9313	224.8171	5.3846	14,232.9781

Mitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
City Park	0 / 886.462		287.0659	0.0464	5.6300e-003	289.9044
Condo/Townhouse	1101.49 / 694.42		1,125.7882	36.0178	0.8627	2,283.3224
Government Office Building	1578.65 / 967.562		1,604.5090	51.6190	1.2363	3,263.3901
Office Park	786.173 / 481.848		799.0495	25.7064	0.6157	1,625.1765
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	332.032 / 203.503		337.4697	10.8568	0.2600	686.3753
Research & Development	1424.91 / 0		1,165.4334	46.5461	1.1103	2,659.9608
Single Family Housing	1652.18 / 1041.59		1,688.6157	54.0246	1.2940	3,424.8486
Total			7,007.9313	224.8171	5.3846	14,232.9781

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		10,226.7253	604.3822	0.0000	25,336.2791
Unmitigated		10,226.7253	604.3822	0.0000	25,336.2791

8.2 Waste by Land Use

Unmitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
City Park	63.98		12.9874	0.7675	0.0000	32.1756
Condo/Townhouse	7776.76		1,578.6120	93.2933	0.0000	3,910.9444
Government Office Building	7390.26		1,500.1560	88.6567	0.0000	3,716.5730
Office Park	4113.69		835.0419	49.3496	0.0000	2,068.7810
Parking Lot	0		0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4706.65		955.4074	56.4630	0.0000	2,366.9814
Research & Development	220.22		44.7027	2.6419	0.0000	110.7490
Single Family Housing	26108.6		5,299.8180	313.2103	0.0000	13,130.0747
Total			10,226.7253	604.3822	0.0000	25,336.2791

Mitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
City Park	63.98		12.9874	0.7675	0.0000	32.1756
Condo/Townhouse	7776.76		1,578.6120	93.2933	0.0000	3,910.9444
Government Office Building	7390.26		1,500.1560	88.6567	0.0000	3,716.5730
Office Park	4113.69		835.0419	49.3496	0.0000	2,068.7810
Parking Lot	0		0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4706.65		955.4074	56.4630	0.0000	2,366.9814
Research & Development	220.22		44.7027	2.6419	0.0000	110.7490
Single Family Housing	26108.6		5,299.8180	313.2103	0.0000	13,130.0747
Total			10,226.7253	604.3822	0.0000	25,336.2791

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

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